

TSC Electronics



Contacting Us

Telephone (310) 534-2738

For quotations, orders, or inquiries, call us directly between 8 am to 5 pm Pacific Standard Time.

Fax (310) 534-3216

Fax us quotations, orders, or inquiries 24 hours a day. We will respond to all faxes within the next business day.

email: sales@tscgroup.com

Email quotations, orders, or inquiries 24 hours a day. We will respond to all emails within the next business day.

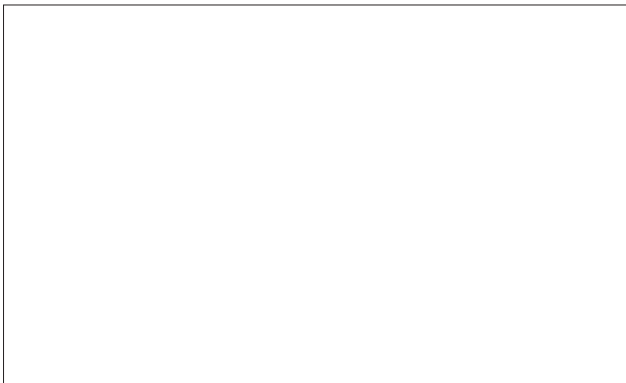
Mailing Address

Send all mail inquiries to:

TSC Electronics, Ltd.
1610 Lockness Place
Torrance, CA 90501
USA

Local Sales Office

Contact your local sales representative.



Custom Designs?
We welcome all custom designs.
We will work with you to develop
the exact solution you need.



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About TSC

In 1980, TSC Electronics, Limited was established as a division of a major Taiwan film capacitor company with the sole purpose of producing film capacitors and inductors.

Today, after years of experience, dedication, commitment to quality, and progress, this small division has grown into a large manufacturer of passive components with factories and offices in three countries.

Our product line includes: high precision and commercial grade film capacitors, surface mount chip ferrite beads, surface mount inductors and transformers, and leaded chokes, coils and transformers.

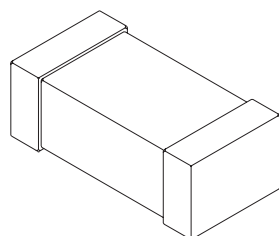
With our expertise in manufacturing, equipment design, and cost competitive processes, our aim is to provide high quality, innovative products and services to meet our customers' requirements. Our customers' needs are always our first priority.

MAGNETICS




SMT Chip EMI Suppressors

MB Series • Surface Mount Chip EMI Suppressors



PACKAGING QUANTITIES

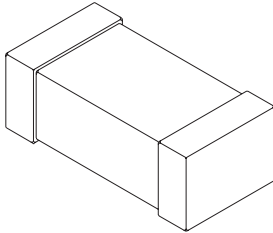
Size Code	T(178mm [7.008 inches] reel dia.)
MB0603	4000 pcs/reel
MB0805	4000 pcs/reel
MB1206	2000 pcs/reel
MB1210	2000 pcs/reel
MB1806	2000 pcs/reel
MB1812	1000 pcs/reel

Description	Series	Impedance Range	Circuit	Page
Chip EMI Suppressors	MB0603	80 ~ 300		1-4
	MB0805	11 ~ 1000		1-4
	MB1206	19 ~ 1000		1-6
	MB1210	31 ~ 60		1-6
	MB1806	80 ~ 150		1-8
	MB1812	70 ~ 1500		1-8



Surface Mount Chip EMI Suppressors

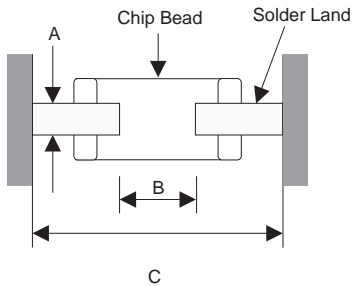
MB0603, MB0805 Series



General Specifications

Impedance Range: 7 Ohms to 1000 Ohms
 Storage Temp: -40°C to + 85°C
 Operating Temp: -25°C to + 85°C
 Resistance to Solder Heat: 260°C, 10 Seconds
 Resistance to Solvent: Per MIL-STD-202F

RECOMMENDED PRINTED CIRCUIT BOARD PATTERNS



	A	B	C
MB0603	0.028 inches	0.028 inches	0.071 ~ 0.079 inches
MB0805	0.039 inches	0.039 inches	0.118 ~ 0.157 inches

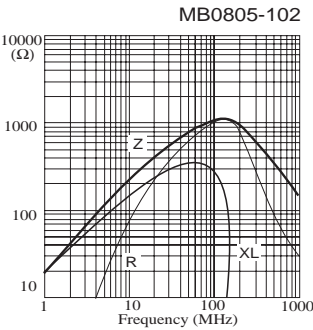
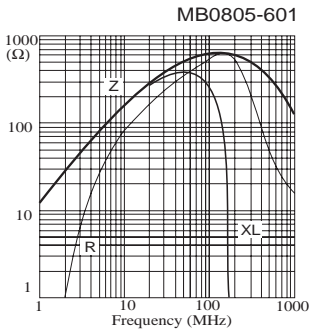
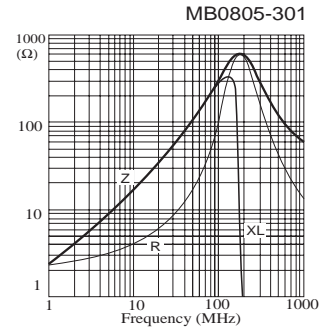
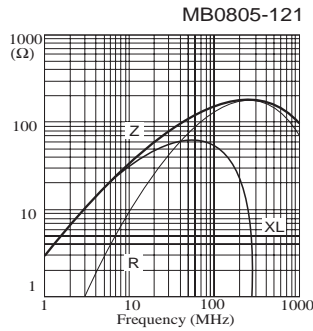
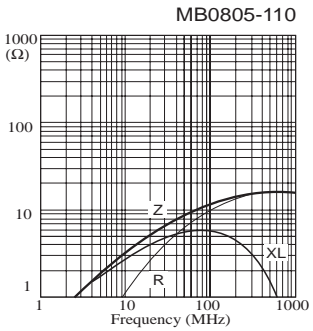
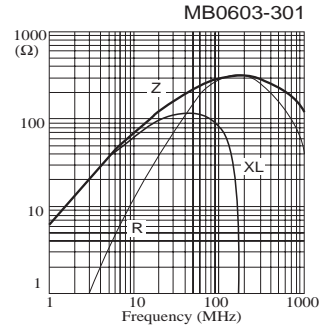
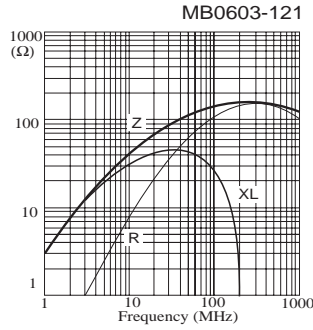
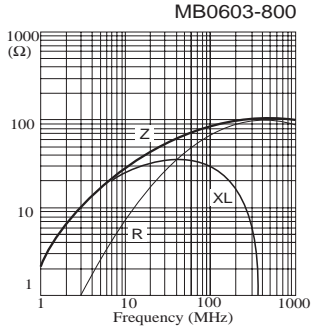
Pattern
 Solder Resist

Description	Part Number	Impedance $Z (\Omega) \pm 25\%$ at 100MHZ	Resistance Rdc. Max. (Ω)	Rating Current Max (mA)
	MB0603-800	80	0.2	250
	MB0603-121	120	0.2	150
	MB0603-301	300	0.35	150
	MB0805-110	11	0.1	300
	MB0805-121	120	0.18	300
	MB0805-301	300	0.50	200
	MB0805-601	600	0.50	200
	MB0805-102	1000	0.8	100



Surface Mount Chip EMI Suppressors

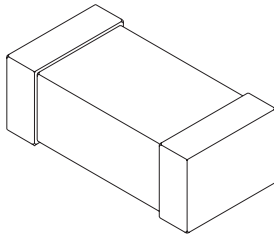
MB0603, MB0805 Series • Impedance vs. Frequency Curves





Surface Mount Chip EMI Suppressors

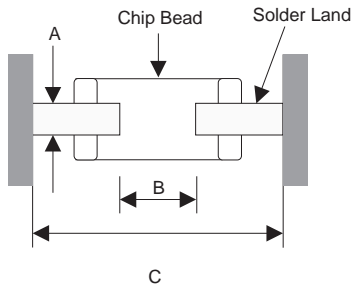
MB1206, MB1210 Series • Surface Mount Chip EMI Suppressors



General Specifications

Impedance Range:	7 Ohms to 1000 Ohms
Storage Temp:	-40°C to + 85°C
Operating Temp:	-25°C to + 85°C
Resistance to Solder Heat:	260°C, 10 Seconds
Resistance to Solvent:	Per MIL-STD-202F

RECOMMENDED PRINTED CIRCUIT BOARD PATTERNS



	A	B	C
MB1206	0.047 inches	0.079 inches	0.165 ~ 0.205 inches
MB1210	0.047 inches	0.079 inches	0.165 ~ 0.205 inches

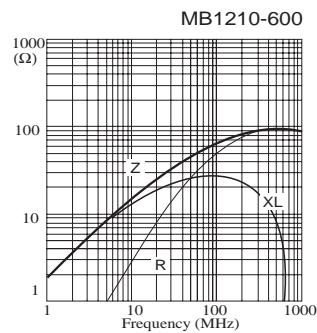
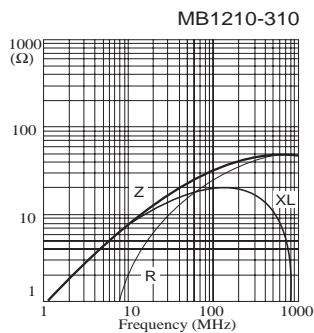
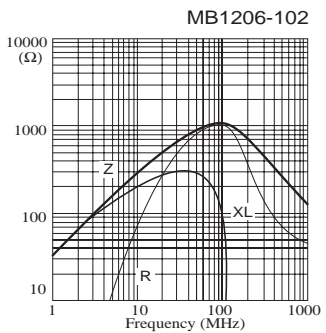
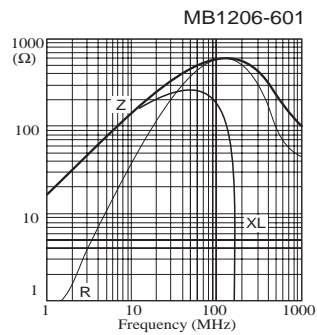
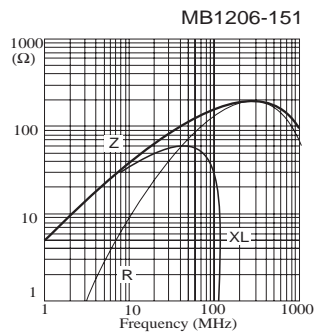
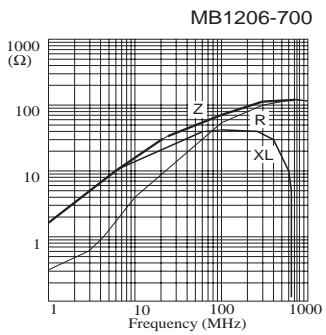
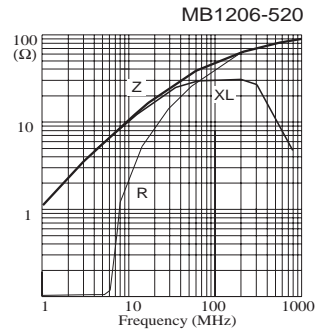
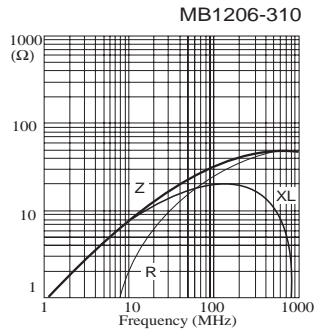
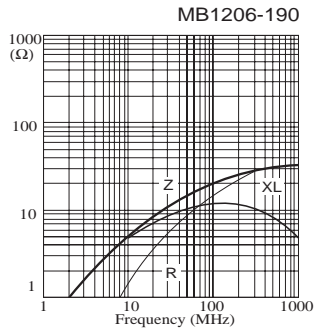
Pattern
 Solder Resist

Description	Part Number	Impedance $Z (\Omega) \pm 25\%$ at 100MHZ	Resistance Rdc. Max. (Ω)	Rating Current Max (mA)
	MB1206-190	19	.04	3000
	MB1206-310	31	.04	3000
	MB1206-520	52	.05	3000
	MB1206-700	70	.05	3000
	MB1206-151	150	0.2	1000
	MB1206-601	600	0.5	1000
	MB1206-102	1000	0.5	200
	MB1210-310	31	.05	3000
	MB1210-600	60	.05	3000



Surface Mount Chip EMI Suppressors

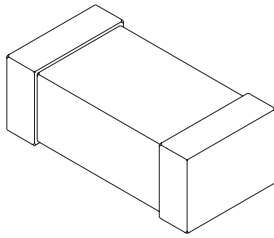
MB1206, MB1210 Series • Impedance vs. Frequency Curves





Surface Mount Chip EMI Suppressors

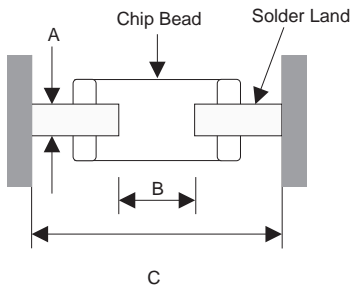
MB1806, MB1812 Series • Surface Mount Chip EMI Suppressors



General Specifications

Impedance Range:	7 Ohms to 1000 Ohms
Storage Temp:	-40°C to + 85°C
Operating Temp:	-25°C to + 85°C
Resistance to Solder Heat:	260°C, 10 Seconds
Resistance to Solvent:	Per MIL-STD-202F

RECOMMENDED PRINTED CIRCUIT BOARD PATTERNS



	A	B	C
MB1806	0.047 inches	0.118 inches	0.217 ~ 0.256 inches
MB1812	0.047 inches	0.118 inches	0.217 ~ 0.256 inches

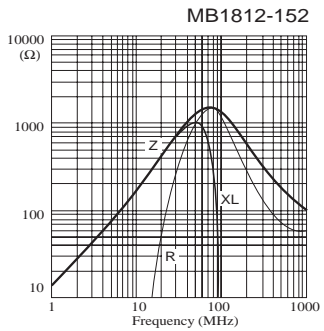
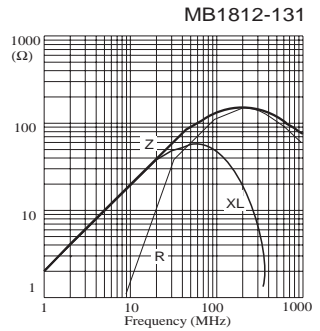
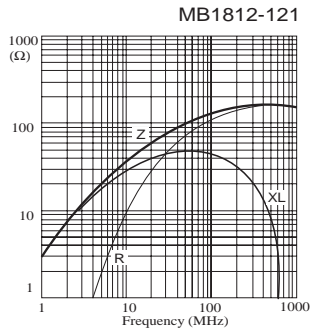
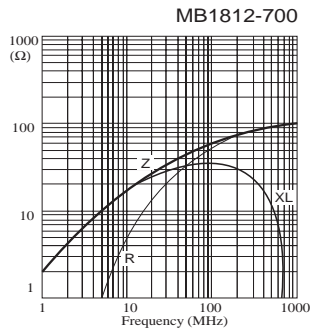
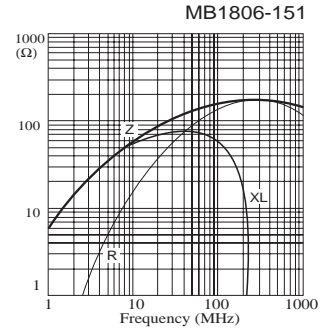
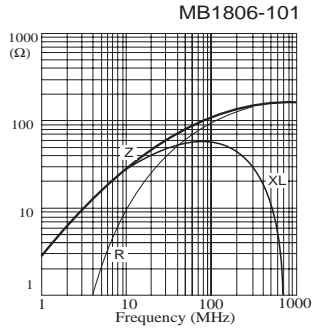
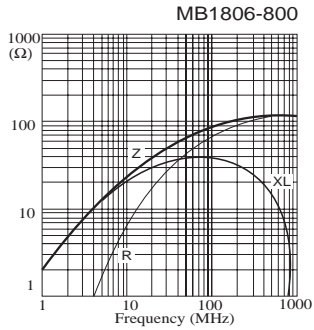
Pattern
 Solder Resist

Description	Part Number	Impedance Z (Ω) \pm 25% at 100MHZ	Resistance Rdc. Max. (Ω)	Rating Current Max (mA)
	MB1806-800	80	0.1	6000
	MB1806-101	100	0.1	6000
	MB1806-151	150	0.3	6000
	MB1812-700	70	0.1	6000
	MB1812-121	120	0.1	6000
	MB1812-131	125	0.1	6000
	MB1812-152	1500	0.05	6000



Surface Mount Chip EMI Suppressors

MB1806, MB1812 Series • Impedance vs. Frequency Curves





Surface Mount Chip EMI Suppressors

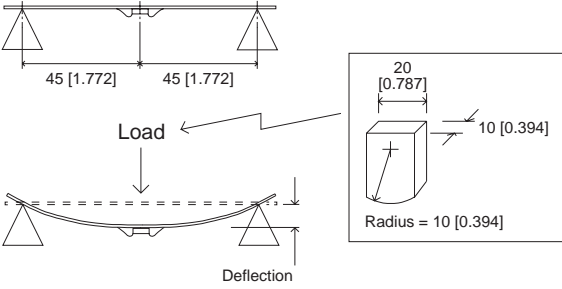
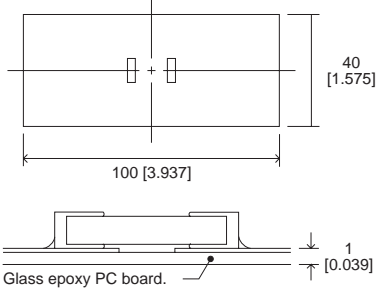
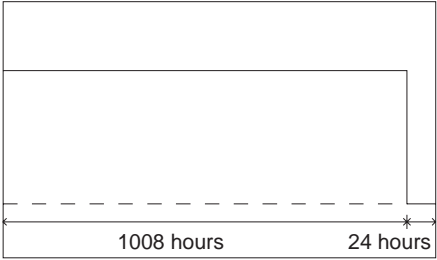
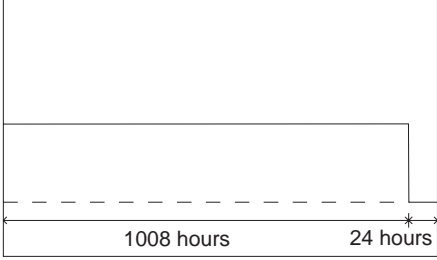
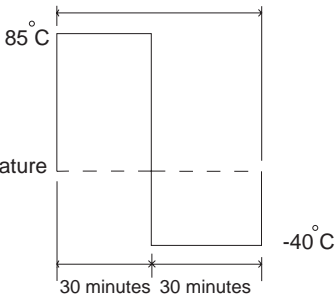
Performance and Test Conditions

Criteria	Performance	Parameters														
Operating temperature range	-25 to +85°C															
Storage temperature and humidity ranges	40°C max., 70% RH max.															
Soldering heat resistance	No cracking of the chip may occur. Solder must cover greater than 75% of the total surface area of the terminal electrode. Impedance must be within +/- 20% of the initial value.	<p>Preheat: 150°C, 60 seconds Solder: H63A Solder temperature: 260 +/- 5°C Flux: Resin Dip time: 10 +/- 0.5 seconds</p>														
Solderability	New solder must cover greater than 90% of the total surface area of the terminal electrode.	<p>Preheat: 150°C, 60 seconds Solder: H63A Solder temperature: 230 +/- 5°C Flux: Rosin Dip time: 4 +/- 1 seconds</p>														
Pull strength	The terminal electrode and the ferrite shall not be damaged by the tensile forces applied by the conditions shown.	<p>After soldering a lead wire to a terminal electrode, apply a tensile force, T, in the direction shown.</p> <table border="1"> <thead> <tr> <th>Size Code</th> <th>T (N)</th> </tr> </thead> <tbody> <tr> <td>MB0603</td> <td>4.9</td> </tr> <tr> <td>MB0805</td> <td>5.9</td> </tr> <tr> <td>MB1206</td> <td>9.8</td> </tr> <tr> <td>MB1210</td> <td>9.8</td> </tr> <tr> <td>MB1806</td> <td>9.8</td> </tr> <tr> <td>MB1812</td> <td>14.7</td> </tr> </tbody> </table>	Size Code	T (N)	MB0603	4.9	MB0805	5.9	MB1206	9.8	MB1210	9.8	MB1806	9.8	MB1812	14.7
Size Code	T (N)															
MB0603	4.9															
MB0805	5.9															
MB1206	9.8															
MB1210	9.8															
MB1806	9.8															
MB1812	14.7															
Low temperature storage life test	Chipping, cracking or any other physical defects which are harmful to the electrical characteristics shall not be allowed. Impedance must be within +/- 20% of the initial value.	<p>Temperature: -40 +/- 2°C Testing time: 1008 +/- 12 hours Measurement taken after placing for 24 hours minimum.</p>														



Surface Mount Chip EMI Suppressors

Performance and Test Conditions

Criteria	Performance	Parameters
Flexural strength	<p>The terminal electrode and the ferrite shall not be damaged by the forces applied by the conditions shown.</p> 	<p>After soldering a chip to the center of a test substrate, deflect the midpoint of the substrate by 2mm (0.079 inches) and allow it to return to the initial position. Soldering shall be done in accordance with the recommended PC board pattern and reflow soldering.</p> 
High Temperature Resistance	<p>The physical appearance of the ferrite shall not be damaged. Impedance must be within +/- 20% of the initial value.</p>	<p>Temperature: 85 +/- 2°C Applied current: Rated current (maximum value) Testing time: 1008 +/- 12 hours Measurement taken after placing for 24 hours minimum.</p> 
Humidity Resistance	<p>The physical appearance of the ferrite shall not be damaged. Impedance must be within +/- 20% of the initial value.</p>	<p>Humidity: 90 to 95% RH Temperature: 40 +/- 2°C Applied Current (maximum value) Testing time: 1008 +/- 12 hours Measurement taken after placing for 24 hours minimum.</p> 
Thermal Shock	<p>Chipping, cracking or any other physical defects which are harmful to the electrical characteristics shall not be allowed. Impedance must be within +/- 20% of the initial value.</p>	<p>Temperature: -40°C, +85°C, kept steady for 30 minutes each. Cycle: 100 cycles</p>  <p>Measurement taken after placing for 24 hours minimum.</p>



Surface Mount Chip EMI Suppressors

Tape Dimensions

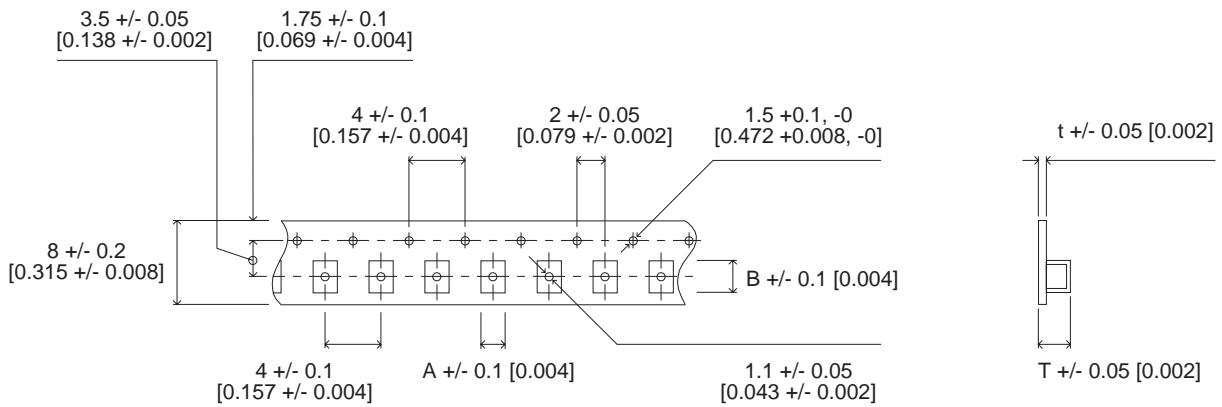


Fig. 1

Rev. 97001

TAPE DIMENSIONS

Size Code	A	B	T	t	Fig.
MB0603	1.1 [0.043]	1.9 [0.075]	1.1 [0.043]	0.3 [0.012]	1
MB0805	1.55 [0.061]	2.3 [0.091]	1.2 [0.047]	0.3 [0.012]	1
MB1206	1.9 [0.075]	3.5 [0.138]	1.4 [0.055]	0.3 [0.012]	1
MB1210	2.9 [0.114]	3.6 [0.142]	1.7 [0.067]	0.3 [0.012]	1
MB1806	1.9 [0.075]	4.9 [0.193]	1.8 [0.072]	0.3 [0.012]	2
MB1812	3.6 [0.142]	4.9 [0.193]	2.05 [0.081]	0.3 [0.012]	2

Dimensions in mm [inches].

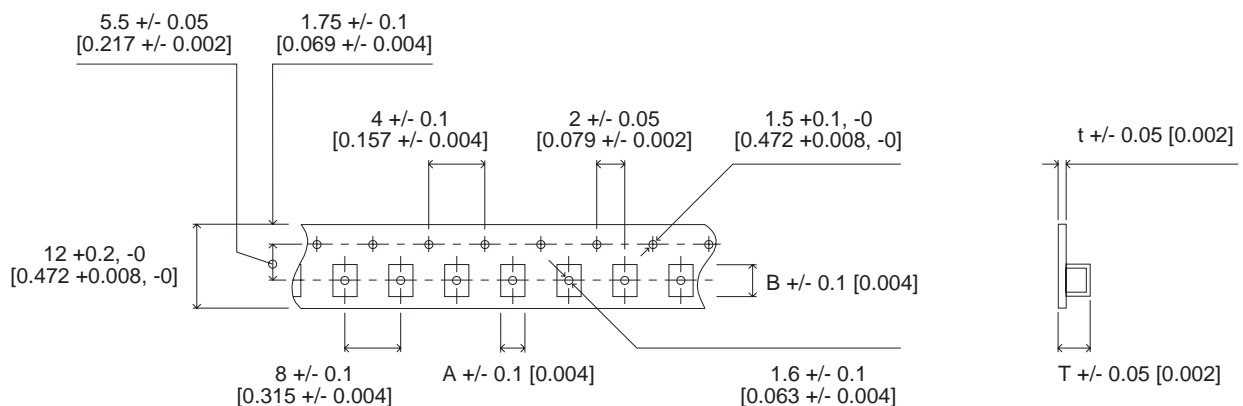
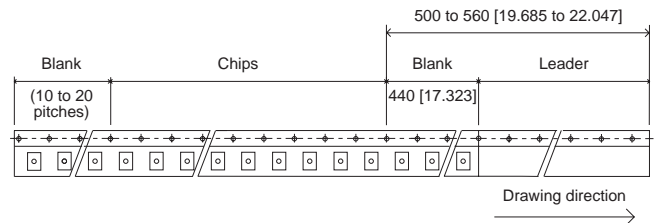


Fig. 2



Surface Mount Chip EMI Suppressors

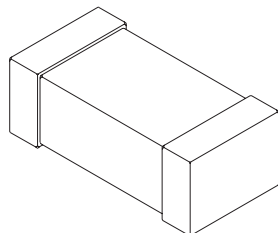
Cross Reference Guide

Description	TSC	Murata	TDK	DW Steward	ACT	Taiyo Yueden
0603, 68Ω	MB0603-680					BK 1608 LL 680
0603, 75Ω	MB0603-750	BLM11B750D				
0603, 120Ω	MB0603-121	BLM11A121S	ACB1608M-120			
0603, 140Ω	MB0603-141	BLM11B141D				
0603, 220Ω	MB0603-221	BLM11A221S				
0603, 240Ω	MB0603-241					BK 1608 HS 241
0603, 300Ω	MB0603-301		ACB1608M-300			
0603, 420Ω	MB0603-421	BLM11B421S				
0603, 470Ω	MB0603-471					BK 1608 HM 471
0603, 600Ω	MB0603-601	BLM11A601S				BK 1608 HS 601
0603, 750Ω	MB0603-751					BK 1608 LM 751
0603, 1000Ω	MB0603-102	BLM11B102S				BK 1608 HM 102
0603, 1500Ω	MB0603-152					BK 1608 LM 152
0603, 1800Ω	MB0603-182					BK 1608 LM 182
0805, 5Ω	MB0805-050	BLM21B050S				
0805, 7Ω	MB0805-070		HF30ACB201209			
0805, 10Ω	MB0805-100		HF70ACB201209			
0805, 11Ω	MB0805-110		HF50ACB201209	25Z0805.0S0		
0805, 11Ω, hc	MB0805-110		HF50ACC201209			
0805, 12Ω	MB0805-120				BCB-0805	
0805, 15Ω	MB0805-150					BK 2125 HS 150
0805, 17Ω	MB0805-170					
0805, 22Ω	MB0805-220					BK 2125 HS 220
0805, 33Ω	MB0805-330					BK 2125 HS 330
0805, 47Ω	MB0805-470					BK 2125 HS 470
0805, 56Ω	MB0805-560					BK 2121 LL 560
0805, 75Ω	MB0805-750					BK 2121 HS 750
0805, 80Ω	MB0805-800					
0805, 100Ω	MB0805-101					BK 2125 HS 101
0805, 120Ω	MB0805-121	BLM21A121S		25Z0805-1S0	KCB-0805	BK 2125 HS 121
0805, 200Ω	MB0805-201	BLM21B201S				
0805, 240Ω	MB0805-241					BK 2125 HS 241
0805, 400Ω	MB0805-401	BLM21A401S				
0805, 430Ω	MB0805-431					BK 2121 HS 431
0805, 470Ω	MB0805-471					BK 2125 HM 471
0805, 600Ω	MB0805-601	BLM21A601S			LCB-0805	BK 2125 HS 601
0805, 750Ω	MB0805-750	BLM21B751S				
0805, 1000Ω	MB0805-102	BLM21A102S				BK2125 HM 102
0805, 1500Ω	MB0805-152					BK2125 LM 152
0805, 1800Ω	MB0805-182					BK2125 LM 182
0805, 2200Ω	MB0805-222	BLM21B222S				
1206, 19Ω	MB1206-190					DCB-1206
1206, 19Ω, hc	MB1206-190		HF30ACB321611			
1206, 26Ω	MB1206-260	BLM31A206S	HF30ACC321611			ACB-1206
1206, 26Ω, hc	MB1206-260		HF70ACB321611			
1206, 31Ω	MB1206-310		HF70ACC321611	25Z1206.0S0		BCB-1206
1206, 31W, hc	MB1206-310		HF50ACB321611			
1206, 60Ω	MB1206-600		HF50ACC321611			
1206, 70Ω	MB1206-700	BLM31A700S				
1206, 90Ω	MB1206-900					
1206, 100Ω	MB1206-101			25Z1206.1S0		
1206, 150Ω	MB1206-151					
1206, 600Ω	MB1206-601	BLM31A601S				KCB-1206
1206, 1000Ω	MB1206-102					
1266, 70Ω	MB1266-700					
1210, 31Ω	MB1210-310					
1210, 31Ω, hc	MB1210-310		HF30ACB322513			
1210, 52Ω	MB1210-520		HF50ACC322513			
1210, 55Ω	MB1210-550		HF70ACB322513			ACB-1210
1210, 60Ω	MB1210-600			25Z1210.0S0		
1210, 60Ω, hc	MB1210-600		HF50ACB322513			
1210, 65Ω	MB1210-650		HF50ACC322513			BCB-1210
1210, 80Ω, hc	MB1210-800					
1210, 100Ω	MB1210-101					
1806, 45Ω	MB1806-450					ACB-1806
1806, 68Ω	MB1806-680					BCB-1806
1806, 80Ω	MB1806-800	BLM41A400S				
1806, 100Ω	MB1806-101			25Z1806-1S0		
1806, 105Ω	MB1806-1050					
1806, 150Ω	MB1806-151	BLM41A151S		25Z1806.0S0		
1806, 170Ω	MB1806-171					KCB-1806
1812, 70Ω	MB1812-700					
1812, 120Ω	MB1812-121		HF30ACB453215			
1812, 125Ω	MB1812-131		HF70ACB453215			ACB-1812
			HF50ACB453215	25Z1812.0S0		BCB-1812



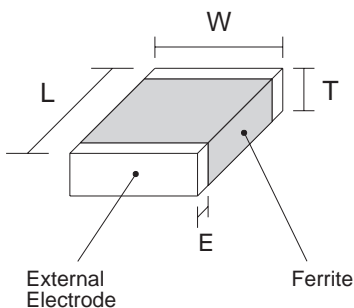
Multilayer Chip Inductors

ML0603 Series



General Specifications

Inductance Range: 0.047 uH to 4.7 uH
 Storage Temp: -40°C to + 85°C
 Operating Temp: -20°C to + 85°C
 Resistance to Solder Heat: 260°C, 10 Seconds
 Resistance to Solvent: Per MIL-STD-202F



Dimensions

Size Code	L	W	T	E
ML0603	.064"±.008	.032"±.008	.032"±.008	.012"±.008

ML0603 Series

Part No.	Inductance (μH)	Inductance Tolerance	Q Min.	Test Freq. L, Q (MHz)	Self-resonant Frequency (MHz) Min.	DC Resistance (Ω) Max.	Rated Current (mA) Max.
ML0603-47N	0.047	±20%	10	50	260	0.3	50
ML0603-68N	0.068	±20%	10	50	250	0.3	50
ML0603-82N	0.082	±20%	10	50	245	0.3	50
ML0603-R10	0.10	±20%, ±10%	15	25	240	0.5	50
ML0603-R12	0.12	±20%, ±10%	15	25	205	0.5	50
ML0603-R15	0.15	±20%, ±10%	15	25	180	0.6	50
ML0603-R18	0.18	±20%, ±10%	15	25	165	0.6	50
ML0603-R22	0.22	±20%, ±10%	15	25	150	0.8	50
ML0603-R27	0.27	±20%, ±10%	15	25	136	0.8	50
ML0603-R33	0.33	±20%, ±10%	15	25	125	0.85	35
ML0603-R39	0.39	±20%, ±10%	15	25	110	1	35
ML0603-R47	0.47	±20%, ±10%	15	25	105	1.35	35
ML0603-R56	0.56	±20%, ±10%	15	25	95	1.55	35
ML0603-R68	0.68	±20%, ±10%	15	25	90	1.7	35
ML0603-R82	0.82	±20%, ±10%	15	25	85	2.1	35
ML0603-1R0	1.0	±20%, ±10%	35	10	75	0.6	25
ML0603-1R2	1.2	±20%, ±10%	35	10	65	0.8	25
ML0603-1R5	1.5	±20%, ±10%	35	10	60	0.8	25
ML0603-1R8	1.8	±20%, ±10%	35	10	55	0.95	25
ML0603-2R2	2.2	±20%, ±10%	35	10	50	1.15	15
ML0603-2R7	2.7	±20%, ±10%	35	10	45	1.35	15
ML0603-3R3	3.3	±20%, ±10%	35	10	40	1.55	15
ML0603-3R9	3.9	±20%, ±10%	35	10	35	1.7	15
ML0603-4R7	4.7	±20%, ±10%	35	10	33	2.1	15

Specifications are subject to change without notice.

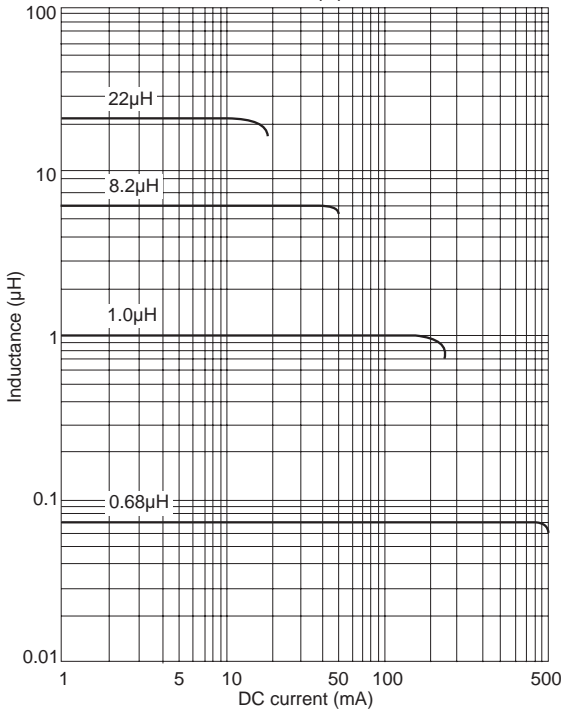


Multilayer Chip Inductors

ML0603 Series • Performance Curves

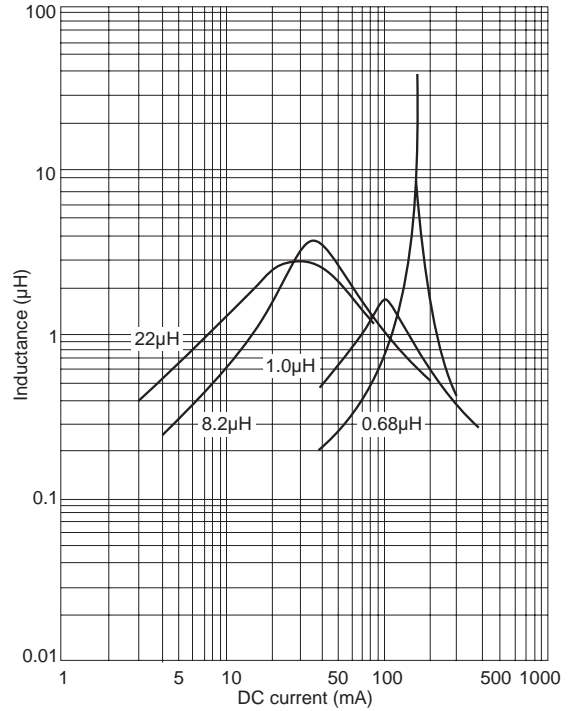
INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS

Test equipment: LCR meter 4291A



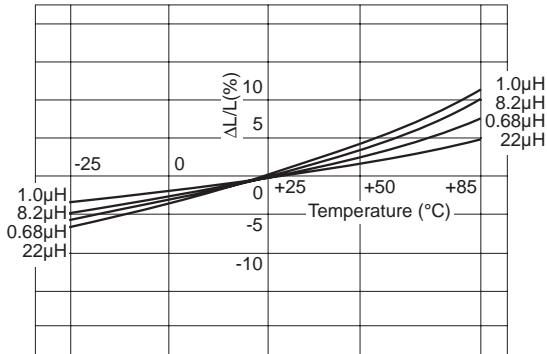
IMPEDANCE vs. FREQUENCY CHARACTERISTICS

Test equipment: Impedance analyzer 4291A



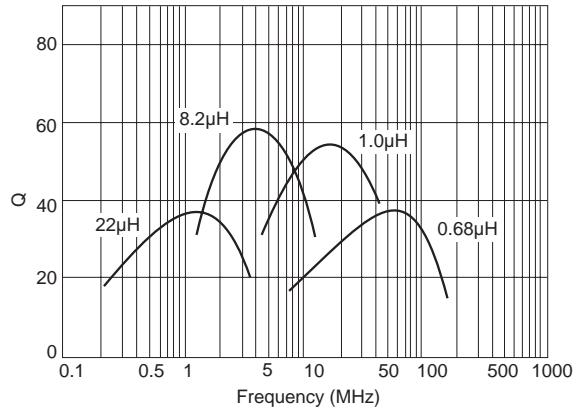
INDUCTANCE vs. TEMPERATURE CHARACTERISTICS

Test equipment: LCR meter 4291A



Q vs. FREQUENCY CHARACTERISTICS

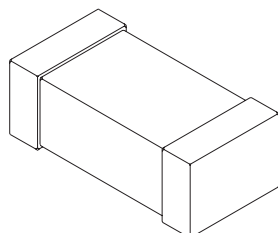
Test equipment: Impedance analyzer 4291A





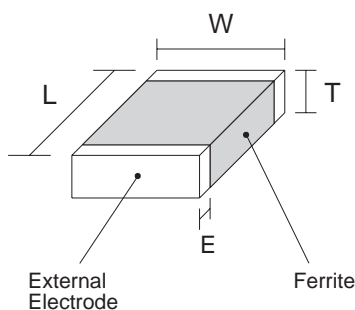
Multilayer Chip Inductors

ML0805 Series



General Specifications

Inductance Range:	0.047 uH to 27 uH
Storage Temp:	-40°C to + 85°C
Operating Temp:	-20°C to + 85°C
Resistance to Solder Heat:	260°C, 10 Seconds
Resistance to Solvent:	Per MIL-STD-202F



Dimensions

Size Code	L	W	T	E
ML0805	.08"±.008	.05"±.008	.036"±.008	.024"±.008

ML0805 Series

Part No.	Inductance (uH)	Inductance Tolerance	Q Min.	Test Freq. L, Q (MHz)	Self-resonant Frequency (MHz) Min.	DC Resistance (Ω) Max.	Rated Current (mA) Max.
ML0805-47N	0.047	±20%	15	50	320	0.2	300
ML0805-68N	0.068	±20%	15	50	280	0.2	300
ML0805-82N	0.082	±20%	15	50	255	0.2	300
ML0805-R10	0.10	±20%, ±10%	20	25	235	0.3	300
ML0805-R12	0.12	±20%, ±10%	20	25	220	0.3	250
ML0805-R15	0.15	±20%, ±10%	20	25	200	0.4	250
ML0805-R18	0.18	±20%, ±10%	20	25	185	0.4	250
ML0805-R22	0.22	±20%, ±10%	20	25	170	0.5	250
ML0805-R27	0.27	±20%, ±10%	20	25	150	0.5	250
ML0805-R33	0.33	±20%, ±10%	20	25	145	0.55	250
ML0805-R39	0.39	±20%, ±10%	25	25	135	0.65	250
ML0805-R47	0.47	±20%, ±10%	25	25	125	0.65	200
ML0805-R56	0.56	±20%, ±10%	25	25	115	0.75	200
ML0805-R68	0.68	±20%, ±10%	25	25	105	0.8	150
ML0805-R82	0.82	±20%, ±10%	25	25	100	1.0	150
ML0805-1R0	1.0	±20%, ±10%	45	10	75	0.4	150
ML0805-1R2	1.2	±20%, ±10%	45	10	65	0.5	50
ML0805-1R5	1.5	±20%, ±10%	45	10	60	0.5	50
ML0805-1R8	1.8	±20%, ±10%	45	10	55	0.6	50
ML0805-2R2	2.2	±20%, ±10%	45	10	50	0.65	50
ML0805-2R7	2.7	±20%, ±10%	45	10	45	0.75	30
ML0805-3R3	3.3	±20%, ±10%	45	10	41	0.8	30
ML0805-3R9	3.9	±20%, ±10%	45	10	38	0.9	30
ML0805-4R7	4.7	±20%, ±10%	45	10	35	1.0	30
ML0805-5R6	5.6	±20%, ±10%	50	4	32	0.9	30
ML0805-6R8	6.8	±20%, ±10%	50	4	29	1.0	15
ML0805-8R2	8.2	±20%, ±10%	50	4	26	1.1	15
ML0805-100	10	±20%, ±10%	50	2	24	1.15	15
ML0805-120	12	±20%, ±10%	50	2	22	1.25	15
ML0805-150	15	±20%, ±10%	30	1	19	0.8	15
ML0805-180	18	±20%, ±10%	30	1	18	0.9	5
ML0805-220	22	±20%, ±10%	30	1	16	1.1	5
ML0805-270	27	±20%, ±10%	30	1	14	1.15	5

Specifications are subject to change without notice.

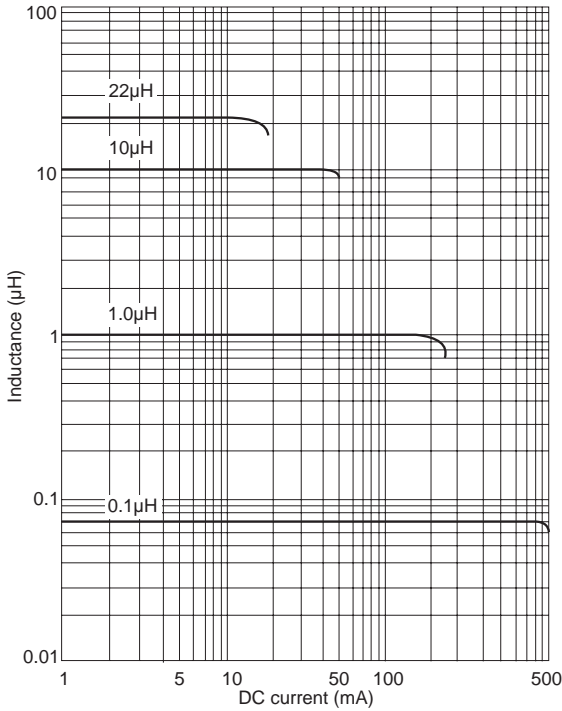


Multilayer Chip Inductors

ML0805 Series • Performance Curves

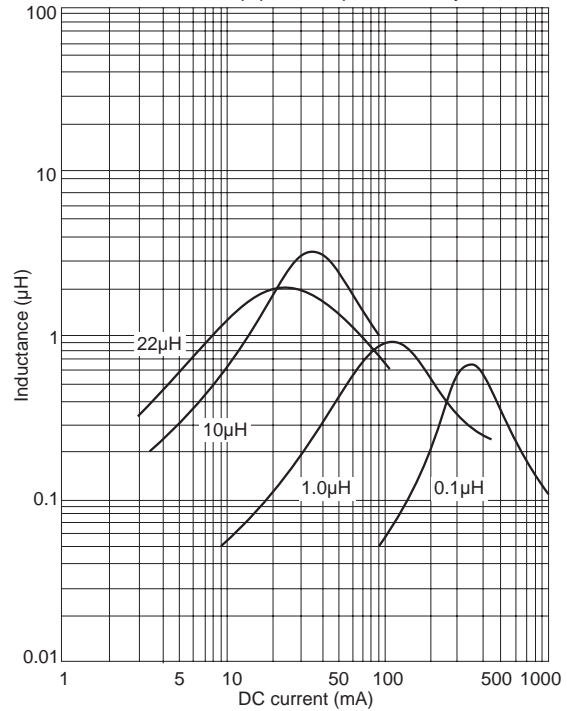
INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS

Test equipment: LCR meter 4291A



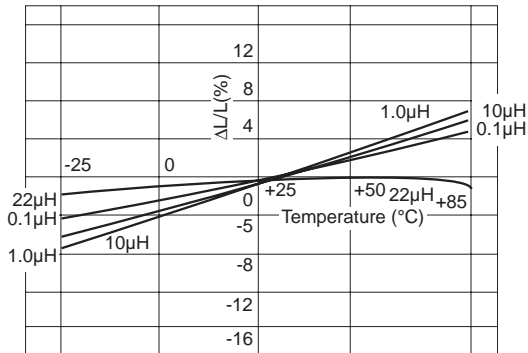
IMPEDANCE vs. FREQUENCY CHARACTERISTICS

Test equipment: Impedance analyzer 4291A



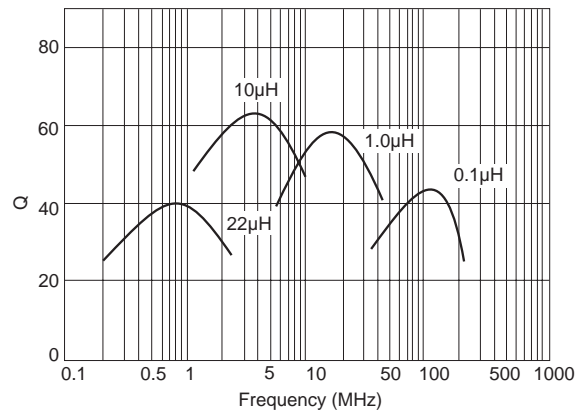
INDUCTANCE vs. TEMPERATURE CHARACTERISTICS

Test equipment: LCR meter 4291A



Q vs. FREQUENCY CHARACTERISTICS

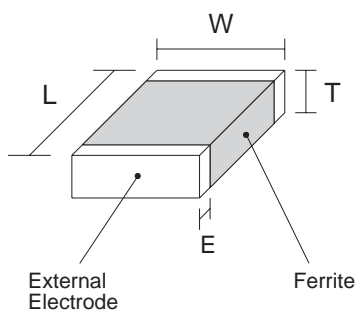
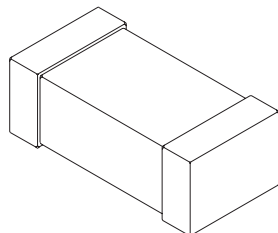
Test equipment: Impedance analyzer 4291A





Multilayer Chip Inductors

ML1206 Series



General Specifications

Inductance Range: 0.047 uH to 33 uH
 Storage Temp: -40°C to + 85°C
 Operating Temp: -20°C to + 85°C
 Resistance to Solder Heat: 260°C, 10 Seconds
 Resistance to Solvent: Per MIL-STD-202F

Dimensions

Size Code	L	W	T	E
ML1206	.126"±.008	.064"±.008	.043"±.008	.024"±.008

ML1206 Series

Part No.	Inductance (uH)	Inductance Tolerance	Q Min.	Test Freq. L, Q (MHz)	Self-resonant Frequency (MHz) Min.	DC Resistance (Ω) Max.	Rated Current (mA) Max.
ML1206-47N	0.047	±20%	20	50	320	0.15	300
ML1206-68N	0.068	±20%	20	50	280	0.25	300
ML1206-R10	0.10	±20%, ±10%	20	25	235	0.25	250
ML1206-R12	0.12	±20%, ±10%	20	25	220	0.3	250
ML1206-R15	0.15	±20%, ±10%	20	25	200	0.3	250
ML1206-R18	0.18	±20%, ±10%	20	25	185	0.4	250
ML1206-R22	0.22	±20%, ±10%	20	25	170	0.4	250
ML1206-R27	0.27	±20%, ±10%	20	25	150	0.5	250
ML1206-R33	0.33	±20%, ±10%	20	25	145	0.6	250
ML1206-R39	0.39	±20%, ±10%	20	25	135	0.5	200
ML1206-R47	0.47	±20%, ±10%	20	25	125	0.6	200
ML1206-R56	0.56	±20%, ±10%	20	25	115	0.7	150
ML1206-R68	0.68	±20%, ±10%	20	25	105	0.8	150
ML1206-R82	0.82	±20%, ±10%	20	25	100	0.9	150
ML1206-1R0	1.0	±20%, ±10%	45	10	75	0.4	100
ML1206-1R2	1.2	±20%, ±10%	45	10	65	0.5	100
ML1206-1R5	1.5	±20%, ±10%	45	10	60	0.5	50
ML1206-1R8	1.8	±20%, ±10%	45	10	55	0.5	50
ML1206-2R2	2.2	±20%, ±10%	45	10	50	0.6	50
ML1206-2R7	2.7	±20%, ±10%	45	10	45	0.6	50
ML1206-3R3	3.3	±20%, ±10%	45	10	41	0.6	50
ML1206-3R9	3.9	±20%, ±10%	45	10	38	0.6	50
ML1206-4R7	4.7	±20%, ±10%	45	10	35	0.6	50
ML1206-5R6	5.6	±20%, ±10%	50	4	32	0.6	25
ML1206-6R8	6.8	±20%, ±10%	50	4	29	0.6	25
ML1206-8R2	8.2	±20%, ±10%	50	4	26	0.6	25
ML1206-100	10	±20%, ±10%	50	2	24	0.6	25
ML1206-120	12	±20%, ±10%	50	2	22	0.6	15
ML1206-150	15	±20%, ±10%	35	1	19	0.6	5
ML1026-180	18	±20%, ±10%	35	1	18	0.6	5
ML1206-220	22	±20%, ±10%	35	1	16	0.6	5
ML1206-270	27	±20%, ±10%	35	1	14	0.9	5
ML1206-330	33	±20%, ±10%	35	0.4	13	1.05	5

Specifications are subject to change without notice.

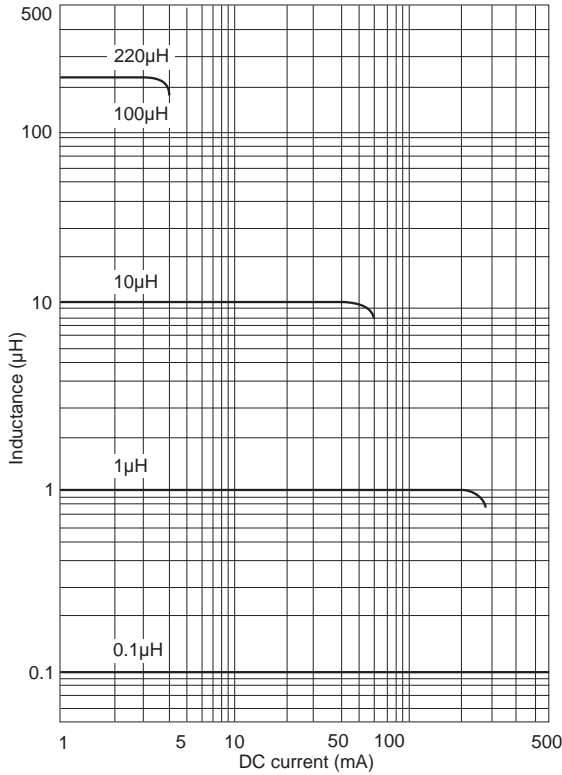


Multilayer Chip Inductors

ML1206 Series • Performance Curves

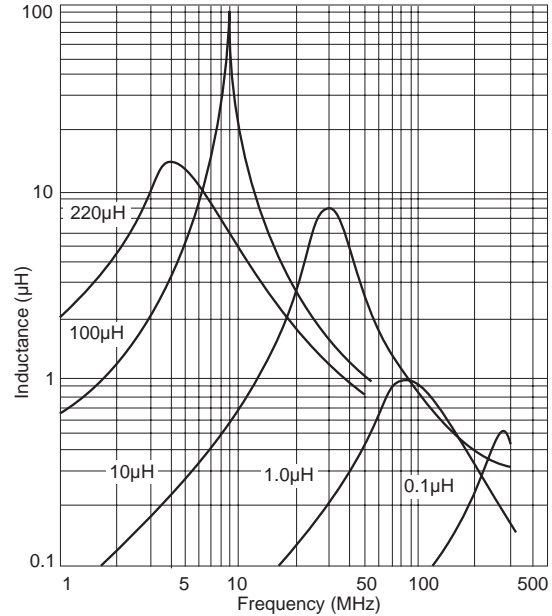
INDUCTANCE vs. DC SUPERPOSITION CHARACTERISTICS

Test equipment: LCR meter 4291A



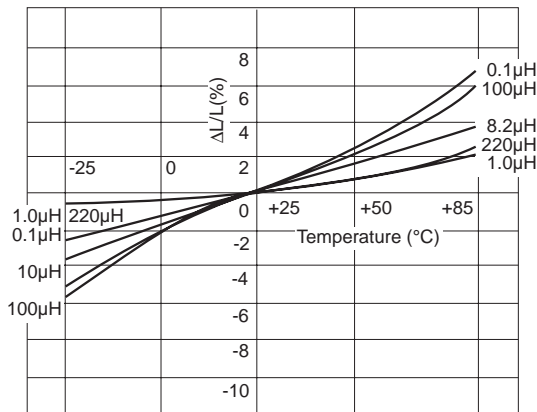
IMPEDANCE vs. FREQUENCY CHARACTERISTICS

Test equipment: Impedance analyzer 4291A



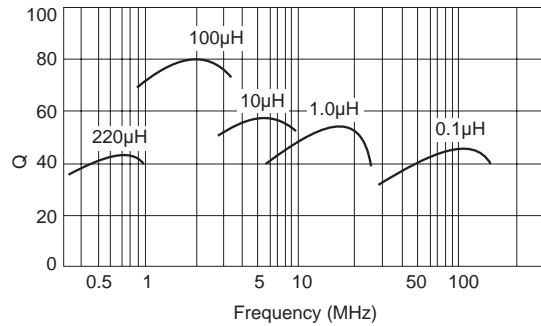
INDUCTANCE vs. TEMPERATURE CHARACTERISTICS

Test equipment: LCR meter 4291A



Q vs. FREQUENCY CHARACTERISTICS

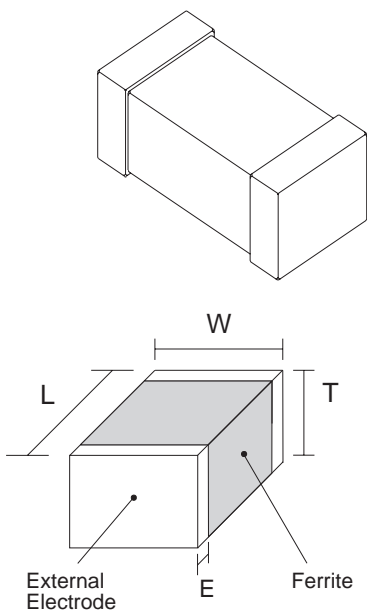
Test equipment: Impedance analyzer 4291A





Multilayer Chip Inductors

HL0603 Series



General Specifications

Inductance Range: 1.2 nH to 100 uH
 Storage Temp: -40°C to + 85°C
 Operating Temp: -40°C to + 100°C
 Resistance to Solder Heat: 260°C, 10 Seconds
 Resistance to Solvent: Per MIL-STD-202F

Dimensions

Size Code	L	W	T	E
HL0603	1.6±0.15	0.8±0.15	0.8±0.15	0.3±0.2

HL0603 Series

Part No.	Heights (T) (mm)	Inductance (nH) 100MHz	Inductance Tolerance	Q (Typ.) (MHz)		S.R.F. (MHz) (Typ.)	Rdc (Ω) (Max.)	Idc (mA) (Max.)
				100	800			
HL0603-FH1N2S	0.8	1.2	±0.3 nH	13	60	>6000	0.10	1000
HL0603-FH1N5S	0.8	1.5	±0.3 nH	13	47	>6000	0.10	1000
HL0603-FH1N8S	0.8	1.8	±0.3 nH	12	51	>6000	0.12	1000
HL0603-FH2N2S	0.8	2.2	±0.3 nH	12	38	>6000	0.16	1000
HL0603-FH2N7S	0.8	2.7	±0.3 nH	12	38	>6000	0.20	1000
HL0603-FH3N3*	0.8	3.3	±0.3 nH,10%	12	41	5900	0.22	1000
HL0603-FH3N9*	0.8	3.9	±0.3 nH,10%	13	50	5600	0.25	1000
HL0603-FH4N7*	0.8	4.7	±0.3 nH,10%	12	41	4800	0.28	1000
HL0603-FH5N6*	0.8	5.6	±0.3 nH,10%	12	42	4350	0.29	600
HL0603-FH6N8*	0.8	6.8	5%,10%	12	40	3750	0.30	600
HL0603-FH8N2*	0.8	8.2	5%,10%	13	34	3300	0.33	600
HL0603-FH10N*	0.8	10.0	5%,10%	13	45	2850	0.35	600
HL0603-FH12N*	0.8	12.0	5%,10%	15	46	2500	0.40	600
HL0603-FH15N*	0.8	15.0	5%,10%	15	48	2150	0.45	600
HL0603-FH18N*	0.8	18.0	5%,10%	16	48	2050	0.50	600
HL0603-FH22N*	0.8	22.0	5%,10%	17	45	1850	0.55	600
HL0603-FH27N*	0.8	27.0	5%,10%	17	43	1750	0.60	600
HL0603-FH33N*	0.8	33.0	5%,10%	18	39	1500	0.65	600
HL0603-FH39N*	0.8	39.0	5%,10%	17	(37)	1350	0.70	500
HL0603-FH47N*	0.8	47.0	5%,10%	17	(35)	1200	0.90	500
HL0603-FH56N*	0.8	56.0	5%,10%	17	(32)	1100	1.00	500
HL0603-FH68N*	0.8	68.0	5%,10%	18	(34)	1000	1.50	400
HL0603-FH82N*	0.8	82.0	5%,10%	18	(32)	900	2.00	400
HL0603-FHR10*	0.8	100	5%,10%	18	(27)	830	2.50	30

Specifications are subject to change without notice.

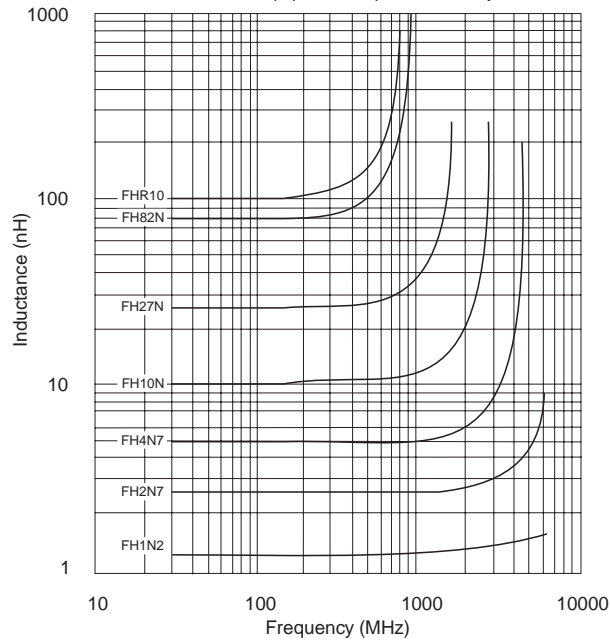


Multilayer Chip Inductors

HL0603 Series • Performance Curves

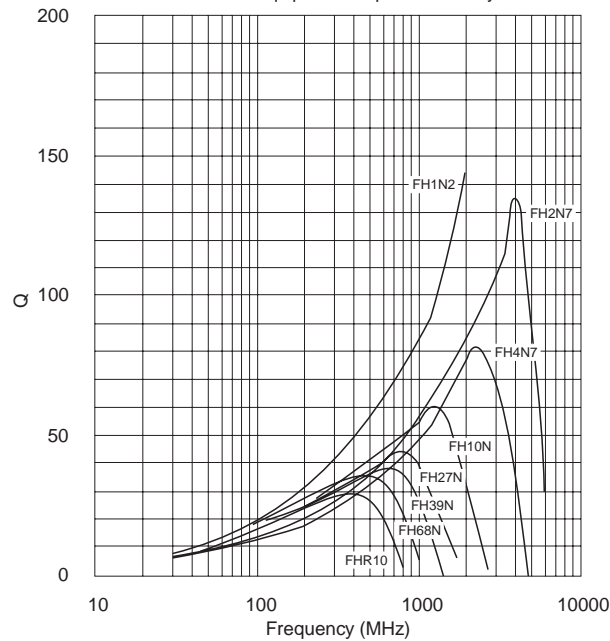
IMPEDANCE vs. FREQUENCY CHARACTERISTICS

Test equipment: Impedance analyzer 4291A



Q vs. FREQUENCY CHARACTERISTICS

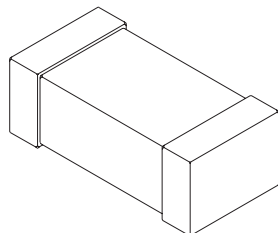
Test equipment: Impedance analyzer 4291A





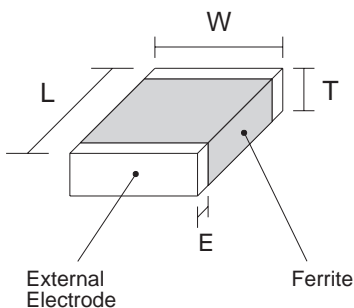
Multilayer Chip Inductors

HL0805 Series



General Specifications

Inductance Range: 1.8 nH to 82.0 uH
 Storage Temp: -40°C to + 85°C
 Operating Temp: -30°C to + 85°C
 Resistance to Solder Heat: 260°C, 10 Seconds
 Resistance to Solvent: Per MIL-STD-202F



Dimensions

Size Code	L	W	T	E
HL0805	.08"±.008	.05"±.008	.024"±.008	.016"±.012
			.034"±.012	
			.04"±.012	

HL0805 Series

Part No.	Heights (T) (mm)	Inductance (nH) 100MHz	Inductance Tolerance	Q (Typ.) (MHz)		S.R.F. (MHz) (Typ.)	Rdc (Ω) (Max.)	Idc (mA) (Max.)
				100	600			
HL0805-F1N8	.024	1.8	±0.3 nH	13	42	6000	0.10	300
HL0805-F2N2	.024	2.2	±0.3 nH	13	44	6000	0.10	300
HL0805-F2N7	.024	2.7	±0.3 nH	12	32	6000	0.10	300
HL0805-F3N3	.024	3.3	K, M	13	36	6000	0.13	300
HL0805-F3N9	.024	3.9	K, M	15	46	5400	0.15	300
HL0805-F4N7	.024	4.7	K, M	15	45	4500	0.20	300
HL0805-F5N6	.024	5.6	K, M	15	47	4000	0.23	300
HL0805-F6N8	.024	6.8	K, M	15	44	3650	0.25	300
HL0805-F8N2	.024	8.2	K, M	15	46	3000	0.28	300
HL0805-F10N	.034	10.0	K, M	16	40	2500	0.30	300
HL0805-F12N	.034	12.0	K, M	16	43	2450	0.35	300
HL0805-F15N	.034	15.0	K, M	17	42	2000	0.40	300
HL0805-F18N	.034	18.0	K, M	17	42	1750	0.45	300
HL0805-F22N	.034	22.0	K, M	17	42	1700	0.50	300
HL0805-F27N	.034	27.0	K, M	18	38	1550	0.55	300
HL0805-F33N	.034	33.0	K, M	18	44	1350	0.60	300
HL0805-F39N	.034	39.0	K, M	18	39	1300	0.65	300
HL0805-F47N	.040	47.0	K, M	18	36	1200	0.70	300
HL0805-F56N	.040	56.0	K, M	19	36	1150	0.75	300
HL0805-F68N	.040	68.0	K, M	19	35	1000	0.80	300
HL0805-F82N	.040	82.0	K, M	20	25	850	0.90	300

Specifications are subject to change without notice.

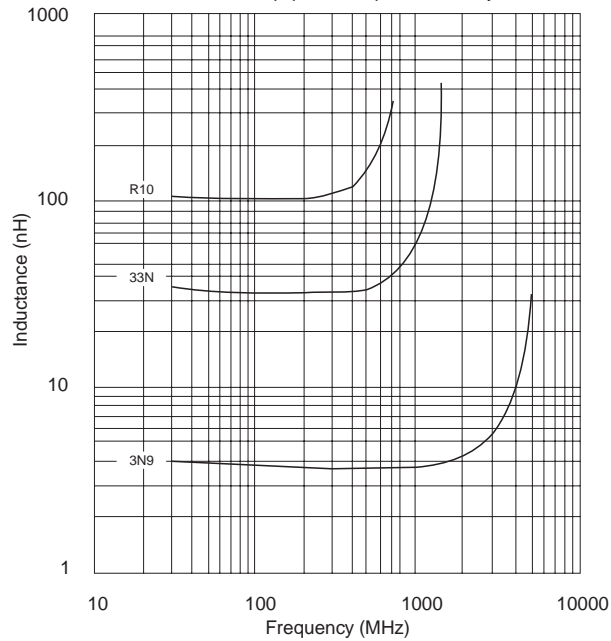


Multilayer Chip Inductors

HL0805 Series • Performance Curves

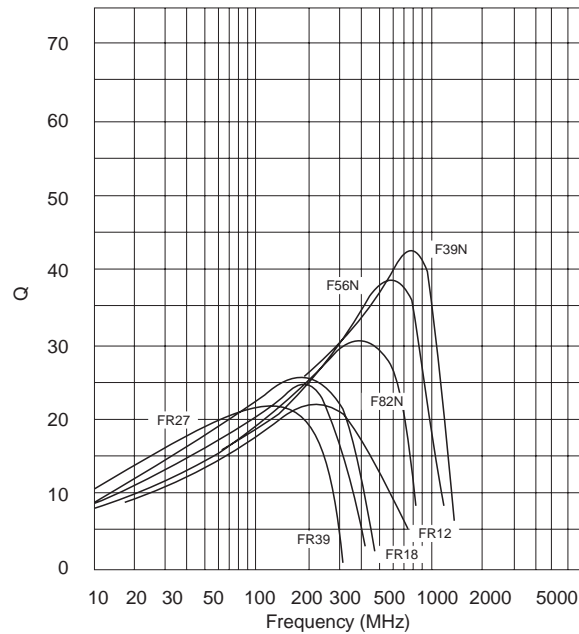
IMPEDANCE vs. FREQUENCY CHARACTERISTICS

Test equipment: Impedance analyzer 4291A



Q vs. FREQUENCY CHARACTERISTICS

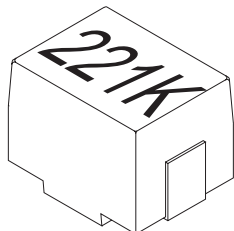
Test equipment: Impedance analyzer 4291A





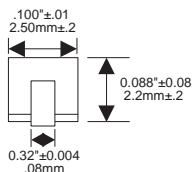
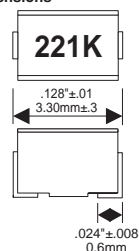
CM322522 Series

General Specifications



Temp Rise: 20°C Max
 Ambient Temp: 80°C Max
 Storage Temp: -40°C to + 100°C
 Operating Temp: -20°C to + 100°C
 Terminal Strength: 0.5 KG Min
 Current Rating: Based on current flow and temperature rise of 20°C maximum.
 Resistance to Solder Heat: 260°C, 10 Seconds
 Resistance to Solvent: Per MIL-STD-202

Dimensions



Pc Board Pattern (in mm)



CM322522 Series

PART NUMBER	INDUCTANCE (uH)	Q MIN	TEST FREQ. (MHZ)	SRF MIN (MHZ)	DCR MAX (OHM)	IDC (mA)
CM322522-R12M	0.12 ± 20%	30	25.2	500	0.22	450
CM322522-R15M	0.15 ± 20%	30	25.2	450	0.25	450
CM322522-R18M	0.18 ± 20%	30	25.2	400	0.28	450
CM322522-R22M	0.22 ± 20%	30	25.2	350	0.32	450
CM322522-R27M	0.27 ± 20%	30	25.2	320	0.36	450
CM322522-R33M	0.33 ± 20%	30	25.2	300	0.40	450
CM322522-R39M	0.39 ± 20%	30	25.2	250	0.45	450
CM322522-R47M	0.47 ± 20%	30	25.2	220	0.50	450
CM322522-R56M	0.56 ± 20%	30	25.2	180	0.55	450
CM322522-R68M	0.68 ± 20%	30	25.2	160	0.60	450
CM322522-R82M	0.82 ± 20%	30	25.2	140	0.65	450
CM322522-1R0M	1.0 ± 20%	30	7.96	120	0.70	400
CM322522-1R2M	1.2 ± 20%	30	7.96	100	0.75	390
CM322522-1R5M	1.5 ± 20%	30	7.96	85	0.85	370
CM322522-1R8M	1.8 ± 20%	30	7.96	80	0.90	350
CM322522-2R2M	2.2 ± 20%	30	7.96	75	1.00	320
CM322522-2R7M	2.7 ± 20%	30	7.96	70	1.10	290
CM322522-3R3K	3.3 ± 10%	30	7.96	60	1.20	260
CM322522-3R9K	3.9 ± 10%	30	7.96	55	1.30	250
CM322522-4R7K	4.7 ± 10%	30	7.96	50	1.50	220
CM322522-5R6K	5.6 ± 10%	30	7.96	47	1.60	200
CM322522-6R8K	6.8 ± 10%	30	7.96	43	1.80	180
CM322522-8R2K	8.2 ± 10%	30	7.96	40	2.00	170
CM322522-100K	10.0 ± 10%	30	2.52	36	2.10	150
CM322522-120K	12.0 ± 10%	30	2.52	33	2.50	140
CM322522-150K	15.0 ± 10%	30	2.52	30	2.80	130
CM322522-180K	18.0 ± 10%	30	2.52	27	3.30	120
CM322522-220K	22.0 ± 10%	30	2.52	25	3.70	110
CM322522-270K	27.0 ± 10%	30	2.52	20	5.00	80
CM322522-330K	33.0 ± 10%	30	2.52	17	5.60	70
CM322522-390K	39.0 ± 10%	30	2.52	16	6.40	65
CM322522-470K	47.0 ± 10%	30	2.52	15	7.00	60
CM322522-560K	56.0 ± 10%	30	2.52	13	8.00	55
CM322522-680K	68.0 ± 10%	30	2.52	12	9.00	50
CM322522-820K	82.0 ± 10%	30	2.52	11	10.00	45
CM322522-101K	100 ± 10%	20	0.796	10	10.00	40
CM322522-121K	120 ± 10%	20	0.796	10	11.00	70
CM322522-151K	150 ± 10%	20	0.796	8	15.00	65
CM322522-181K	180 ± 10%	20	0.796	7	17.00	60
CM322522-221K	220 ± 10%	20	0.796	7	21.00	50

Specifications are subject to change without notice.

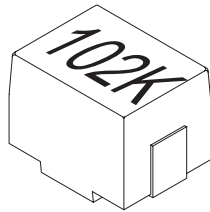


Surface Mount Inductors · Chip Inductors

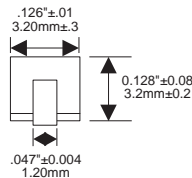
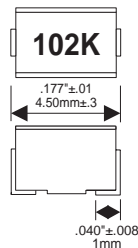
CM453232 Series

General Specifications

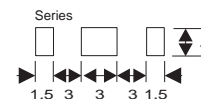
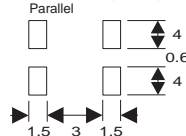
Temp Rise: 20°C Max
 Ambient Temp: 80°C Max
 Storage Temp: -40°C to + 100°C
 Operating Temp: -20°C to + 100°C
 Terminal Strength: 0.5 KG Min
 Current Rating: Based on current flow and temperature rise of 20°C maximum.
 Resistance to Solder Heat: 260°C, 10 Seconds
 Resistance to Solvent: Per MIL-STD-202



Dimensions



Pc Board Pattern (in mm)



CM453232 Series

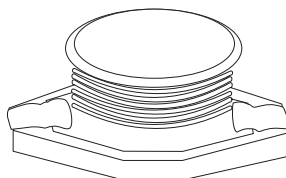
PART NUMBER	INDUCTANCE (uH)	Q MIN	TOLERANCE ±%	TEST FREQ. (MHz)	SRF (MHz) MIN.	DCR Ohms MAX.	IDC (mA)
CM453232-R10M	0.10	35	20	25.2	300	0.18	800
CM453232-R12M	0.12	35	20	25.2	280	0.20	770
CM453232-R15M	0.15	35	20	25.2	250	0.22	730
CM453232-R18M	0.18	35	20	25.2	220	0.24	700
CM453232-R22M	0.22	40	20	25.2	200	0.25	665
CM453232-R27M	0.27	40	20	25.2	180	0.26	635
CM453232-R33M	0.33	40	20	25.2	165	0.28	605
CM453232-R39M	0.39	40	20	25.2	150	0.30	575
CM453232-R47M	0.47	40	20	25.2	145	0.32	545
CM453232-R56M	0.56	40	20	25.2	140	0.36	520
CM453232-R68M	0.68	40	20	25.2	135	0.40	500
CM453232-R82M	0.82	40	20	25.2	130	0.45	475
CM453232-1R0K	1.0	50	10	7.96	100	0.50	450
CM453232-1R2K	1.2	50	10	7.96	80	0.55	430
CM453232-1R5K	1.5	50	10	7.96	70	0.60	410
CM453232-1R8K	1.8	50	10	7.96	60	0.65	390
CM453232-2R2K	2.2	50	10	7.96	55	0.70	380
CM453232-2R7K	2.7	50	10	7.96	50	0.75	370
CM453232-3R3K	3.3	50	10	7.96	45	0.80	355
CM453232-3R9K	3.9	50	10	7.96	40	0.90	330
CM453232-4R7K	4.7	50	10	7.96	35	1.00	315
CM453232-5R6K	5.6	50	10	7.96	33	1.10	300
CM453232-6R8K	6.8	50	10	7.96	27	1.20	285
CM453232-8R2K	8.2	50	10	7.96	25	1.40	270
CM453232-100K	10.0	50	10	2.52	20	1.60	250
CM453232-120K	12.0	50	10	2.52	18	2.00	225
CM453232-150K	15.0	50	10	2.52	17	2.50	200
CM453232-180K	18.0	50	10	2.52	15	2.80	190
CM453232-220K	22.0	50	10	2.52	13	3.20	180
CM453232-270K	27.0	50	10	2.52	12	3.60	170
CM453232-330K	33.0	50	10	2.52	11	4.00	160
CM453232-390K	39.0	50	10	2.52	10	4.50	150
CM453232-470K	47.0	50	10	2.52	10	5.00	140
CM453232-560K	56.0	50	10	2.52	9.0	5.50	135
CM453232-680K	68.0	50	10	2.52	9.0	6.00	130
CM453232-820K	82.0	50	10	2.52	8.0	7.00	120
CM453232-101K	100.0	40	10	0.796	8.0	8.00	110
CM453232-121K	120.0	40	10	0.796	6.0	8.00	110
CM453232-151K	150.0	40	10	0.796	5.0	9.00	105
CM453232-181K	180.0	40	10	0.796	5.0	9.50	102
CM453232-221K	220.0	40	10	0.796	4.0	10.0	100
CM453232-271K	270.0	40	10	0.796	4.0	12.0	92
CM453232-331K	330.0	40	10	0.796	3.5	14.0	85
CM453232-391K	390.0	40	10	0.796	3.0	18.0	80
CM453232-471K	470.0	40	10	0.796	3.0	26.0	62
CM453232-561K	560.0	30	10	0.796	3.0	30.0	50
CM453232-681K	680.0	30	10	0.796	3.0	30.0	50
CM453232-821K	820.0	30	10	0.796	2.5	35.0	30
CM453232-102K	1000.0	20	10	0.252	2.5	40.0	30

Specifications are subject to change without notice.



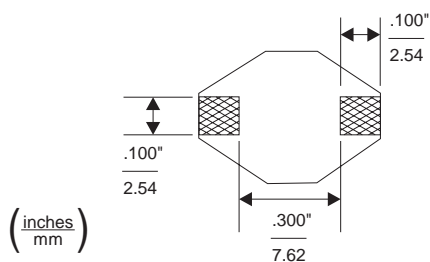
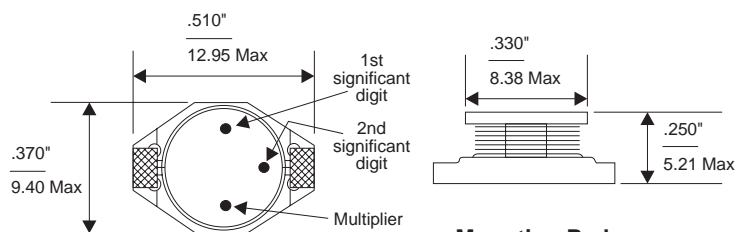
SMT Power Inductors

D310 Series

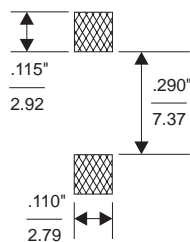


General Specifications

PART NUMBER	INDUCTANCE ($\mu\text{H} \pm 20\%$)	DCR max. (Ω)	ISAT (A)	IRMS (A rms)
D310-1R0	1.0	.009	9.0	6.8
D310-1R5	1.5	.010	8.0	6.4
D310-2R2	2.2	.012	7.0	6.1
D310-3R3	3.3	.015	6.4	5.4
D310-4R7	4.7	.018	5.4	4.8
D310-6R8	6.8	.022	4.6	4.4
D310-100	10	.029	3.8	3.9
D310-150	15	.046	3.0	3.1
D310-220	22	.058	2.6	2.7
D310-330	33	.10	2.0	2.1
D310-470	47	.14	1.6	1.8
D310-680	68	.18	1.4	1.5
D310-101	100	.26	1.2	1.3
D310-151	150	.38	1.0	1.0
D310-221	220	.61	.8	.8
D310-331	330	.93	.6	.6
D310-471	470	1.27	.5	.5
D310-681	680	1.84	.4	.4
D310-102	1000	2.47	.3	.3



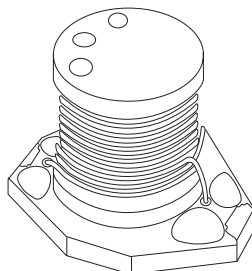
Mounting Pads





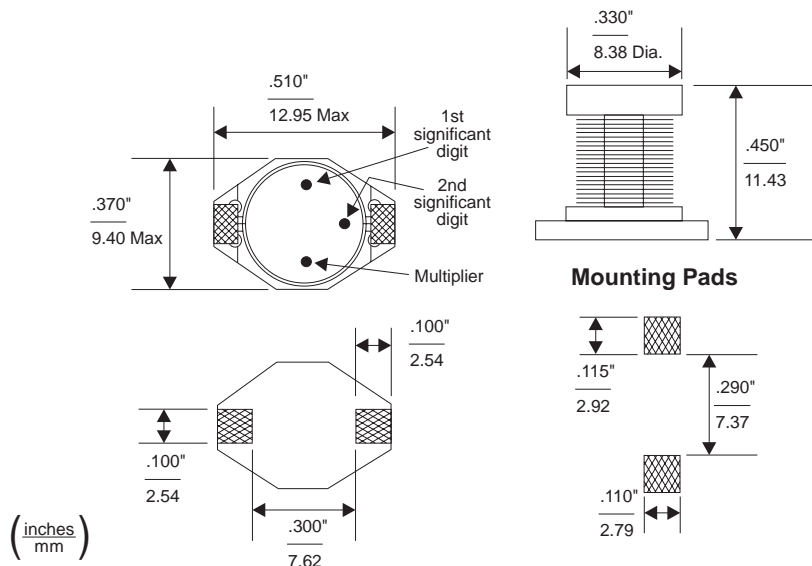
SMT Power Inductors

D315 Series



General Specifications

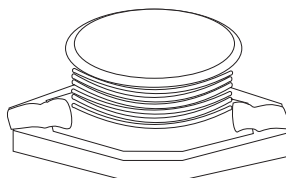
PART NUMBER	INDUCTANCE (μH)	DCR max. (Ω)	ISAT (A)	IRMS (A rms)
D315-100	10	.033	8.0	3.5
D315-150	15	.042	7.0	3.0
D315-220	22	.054	5.5	2.5
D315-330	33	.080	4.0	2.0
D315-470	47	.10	3.8	1.6
D315-680	68	.17	3.0	1.2
D315-101	100	.22	2.5	1.2
D315-151	150	.34	2.0	.9
D315-221	220	.44	1.6	.7
D315-331	330	.70	1.2	.6
D315-471	470	.95	1.0	.3
D315-681	680	1.2	1.0	.2
D315-102	1000	2.0	.8	.1





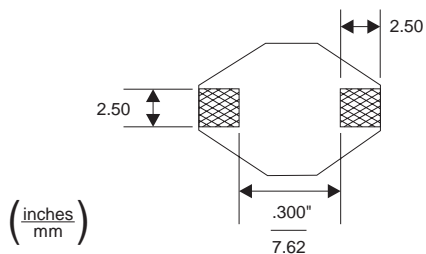
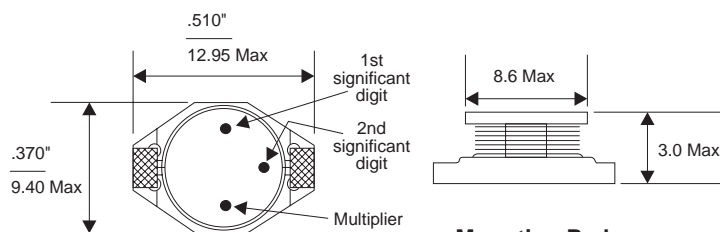
SMT Power Inductors

D320 Series

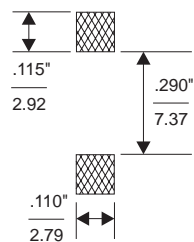


General Specifications

PART NUMBER	INDUCTANCE ($\mu\text{H} \pm 20\%$)	DCR max. (Ω)	ISAT (A)	IRMS (A rms)
D320-100	10	.09	2.4	2.0
D320-150	15	.012	2.0	1.5
D320-220	22	.019	1.6	1.3
D320-330	33	.025	1.4	1.1
D320-470	47	.032	1.0	0.8
D320-680	68	.055	0.9	0.7
D320-101	100	.070	0.7	0.6
D320-151	150	1.00	0.6	0.5
D320-221	220	1.60	0.5	0.4
D320-331	330	2.20	0.4	0.3
D320-471	470	3.30	0.3	0.2
D320-681	680	4.40	0.2	0.1
D320-102	1000	7.00	0.1	0.05



Mounting Pads



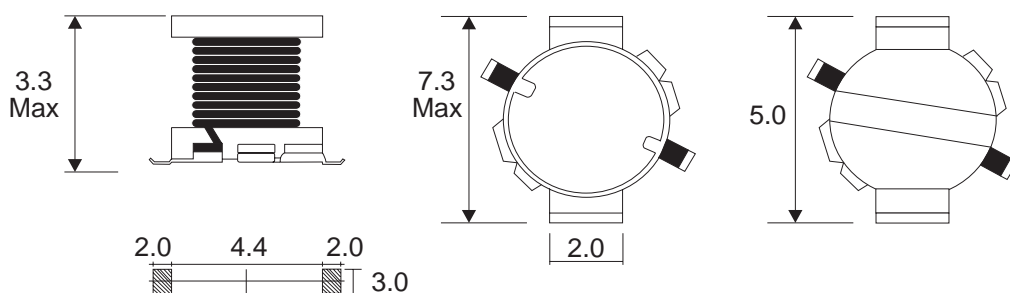


Surface Mount Inductors

D325 Series

Features

- Compact, low profile (3.3mm max height)
- Suitable for reflow soldering.
- Available on tape and reel for automatic insertion.
- Ideal for a variety of DC-DC converter inductor applications.



Electrical Specifications

UNIT: (m/m)

PART NUMBER	INDUCTANCE L (μ H) $\pm 20\%$	L TEST FREQUENCY (KHz)	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (A) MAX
D325-471	0.47	100	5.7	190
D325-561	0.56	100	6.4	180
D325-681	0.68	100	7.6	170
D325-821	0.82	100	10	140
D325-102	1.0	100	12	130
D325-122	1.2	100	16	110
D325-152	1.5	100	19	100
D325-182	1.8	100	28	80
D325-222	2.2	100	30	75
D325-272	2.7	100	36	70
D325-332	3.3	100	48	65
D325-392	3.9	100	54	55
D325-472	4.7	100	63	50
D325-562	5.6	100	72	48

*Maximum allowable current is DC current which causes 10% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

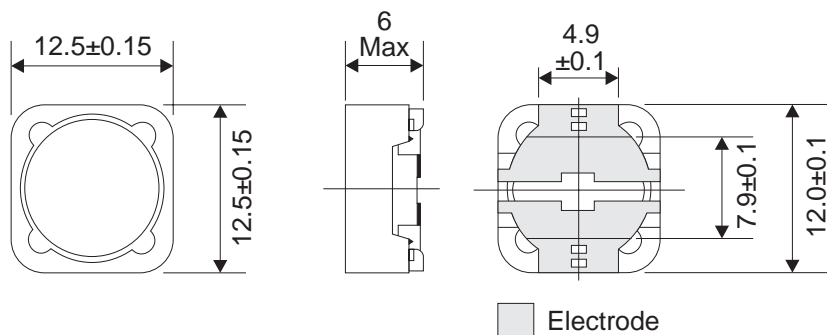


SMT Power Inductors

D330 Series

GENERAL CHARACTERISTICS

- Ideal for a variety of DC-DC converter inductor applications.
- Available on tape and reel for automatic insertion.
- Low DC resistance and large permissible DC current.
- This can be surface mount assembly and reflow soldering is also possible.



Electrical Specifications

UNIT (m/m)

PART NUMBER	INDUCTANCE L (μ H) $\pm 20\%$	L TEST FREQUENCY (KHz)	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (A) MAX
D330-100M	10	1	0.025	4.00
D330-120M	12	1	0.027	3.50
D330-150M	15	1	0.030	3.30
D330-180M	18	1	0.034	3.00
D330-220M	22	1	0.036	2.80
D330-270M	27	1	0.051	2.30
D330-330M	33	1	0.057	2.10
D330-390M	39	1	0.068	2.00
D330-470M	47	1	0.075	1.80
D330-560M	56	1	0.11	1.70
D330-680M	68	1	0.12	1.50
D330-820M	82	1	0.14	1.40
D330-101M	100	1	0.16	1.30
D330-121M	120	1	0.17	1.10
D330-151M	150	1	0.23	1.00
D330-181M	180	1	0.29	0.90
D330-221M	220	1	0.40	0.80
D330-271M	270	1	0.46	0.75
D330-331M	330	1	0.51	0.68
D330-391M	390	1	0.69	0.65
D330-471M	470	1	0.77	0.58
D330-561M	560	1	0.86	0.54
D330-681M	680	1	1.20	0.48
D330-821M	820	1	1.34	0.43
D330-102M	1000	1	1.53	0.40

*Maximum allowable current is DC current which causes 10% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

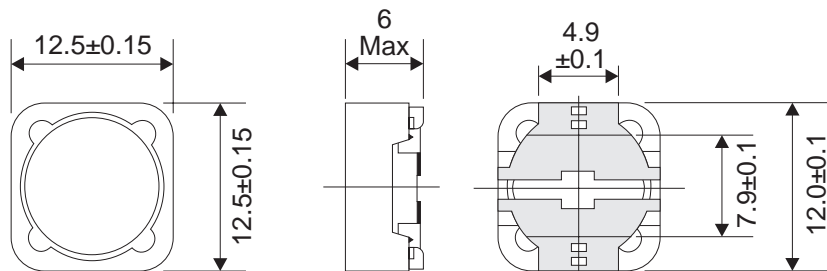


SMT Power Inductors

D335 Series

GENERAL CHARACTERISTICS

- Ideal for a variety of DC-DC converter inductor applications.
- Available on tape and reel for automatic insertion.
- Low DC resistance and large permissible DC current.
- This can be surface mount assembly and reflow soldering is also possible.



■ Electrode

UNIT: (m/m)

Electrical Specifications

PART NUMBER	INDUCTANCE L (μH) ±20%	L TEST FREQUENCY (KHz)	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (A) MAX
D335-1R2M	1.2	1	19.50m	9.0
D335-1R5M	1.5	1	21.76m	7.9
D335-2R2M	2.2	1	22.58m	7.4
D335-3R3M	3.3	1	23.69m	6.4
D335-4R7M	4.7	1	25.82m	5.9
D335-5R6M	5.6	1	26.69m	5.5
D335-6R8M	6.8	1	28.06m	5.0
D335-8R2M	8.2	1	29.58m	4.9
D335-100M	10.0	1	32.62m	4.0
D335-120M	12.0	1	36.05m	3.8
D335-150M	15.0	1	39.12m	3.6
D335-180M	18.0	1	43.03m	3.2
D335-220M	22.0	1	46.82m	3.0
D335-270M	27.0	1	55.40m	2.9
D335-330M	33.0	1	61.22m	2.7
D335-390M	39.0	1	65.65m	2.4
D335-470M	47.0	1	77.60m	2.2
D335-560M	56.0	1	97.06m	2.1
D335-680M	68.0	1	0.10	1.8
D335-820M	82.0	1	0.12	1.6
D335-101M	100.0	1	0.13	1.5
D335-121M	120.0	1	0.17	1.4
D335-151M	150.0	1	0.19	1.3
D335-181M	180.0	1	0.25	1.1
D335-221M	220.0	1	0.29	1.0
D335-271M	270.0	1	0.31	0.90
D335-331M	330.0	1	0.45	0.81
D335-391M	390.0	1	0.50	0.79
D335-471M	470.0	1	0.73	0.70
D335-561M	560.0	1	0.80	0.64
D335-681M	680.0	1	0.91	0.60
D335-821M	820.0	1	1.00	0.56
D335-102M	1000.0	1	1.35	0.49

*Maximum allowable current is DC current which causes 10% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

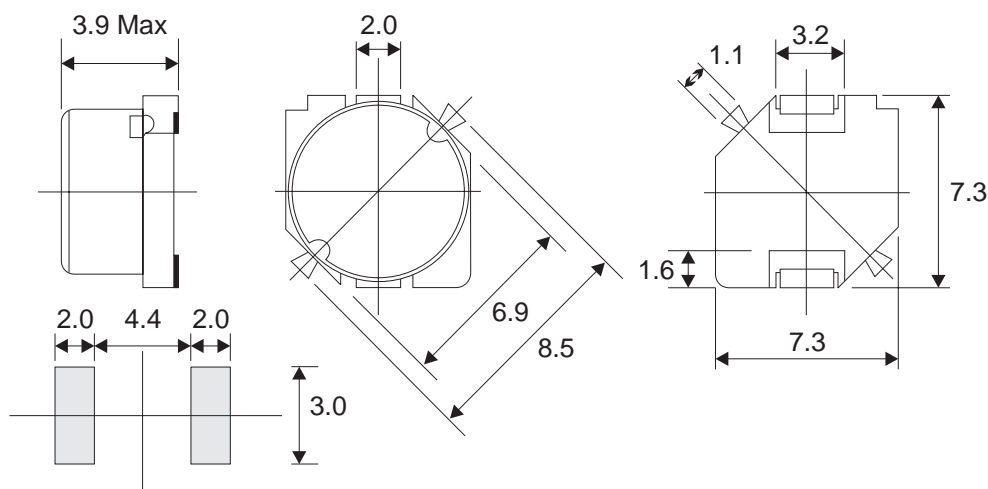


Surface Mount Inductors

D350 Series

Features

- Compact, low profile (7.3mm square, 3.9mm high)
- Suitable for reflow soldering.
- Available on tape and reel for auto insertion.
- Ideal for a variety of DC-DC converter inductor applications.



Electrical Specifications

UNIT: (m/m)

PART NUMBER	INDUCTANCE L (μ H) $\pm 20\%$	L TEST FREQUENCY (KHz)	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (A) MAX
D350-3R3M	3.3	100	0.025	1.92
D350-4R7M	4.7	100	0.033	1.59
D350-6R8M	6.8	100	0.044	1.37
D350-100M	10.0	100	0.055	1.11
D350-150M	15.0	100	0.087	0.92
D350-220M	22.0	100	0.114	0.74
D350-330M	33.0	100	0.170	0.61
D350-470M	47.0	100	0.213	0.50
D350-680M	68.0	100	0.355	0.43
D350-101M	100.0	100	0.447	0.32
D350-151M	150.0	100	0.644	0.28
D350-221M	220.0	100	1.120	0.23
D350-331M	330.0	100	1.440	0.20
D350-471M	470.0	100	2.370	0.16

*Maximum allowable current is DC current which causes 10% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

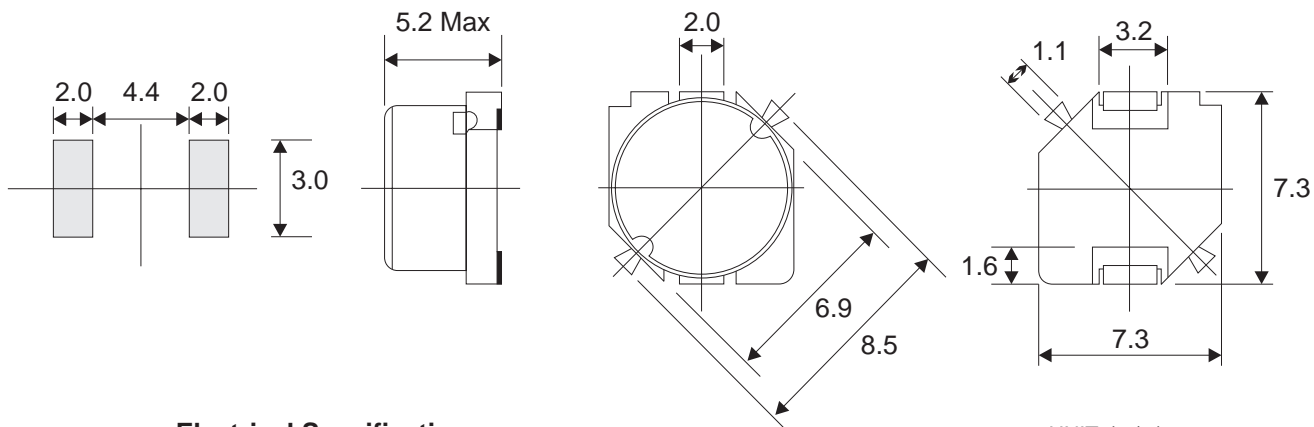


Surface Mount Inductors

D353 Series

Features

- Low profile (7.3mm square, 5.2mm high)
- Suitable for large current.
- Available in magnetically shielded or unshielded version.
- Available on tape and reel for automatic insertion.
- Ideal for a variety of DC-DC converter inductor applications.



Electrical Specifications

UNIT: (m/m)

PART NUMBER	INDUCTANCE L (μH) ±20%	L TEST FREQUENCY (KHz)	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (A) MAX
D353-1R0M	1.0	100	0.020	2.80
D353-1R5M	1.5	100	0.024	2.59
D353-2R2M	2.2	100	0.028	2.38
D353-3R3M	3.3	100	0.034	2.14
D353-4R7M	4.7	100	0.039	1.96
D353-6R8M	6.8	100	0.050	1.79
D353-100M	10.0	100	0.055	1.63
D353-120M	12.0	100	0.073	1.42
D353-150M	15.0	100	0.081	1.33
D353-180M	18.0	100	0.102	1.15
D353-220M	22.0	100	0.115	1.09
D353-270M	27.0	100	0.159	0.91
D353-330M	33.0	100	0.182	0.84
D353-390M	39.0	100	0.199	0.80
D353-470M	47.0	100	0.221	0.75
D353-560M	56.0	100	0.306	0.64
D353-680M	68.0	100	0.345	0.60
D353-820M	82.0	100	0.390	0.57
D353-101M	100.0	100	0.432	0.50
D353-121M	120.0	100	0.440	0.47
D353-151M	150.0	100	0.730	0.40
D353-181M	180.0	100	0.780	0.39
D353-221M	220.0	100	0.940	0.33
D353-271M	270.0	100	1.250	0.31
D353-331M	330.0	100	1.400	0.27
D353-391M	390.0	100	1.520	0.27
D353-471M	470.0	100	1.700	0.25
D353-561M	560.0	100	2.390	0.22

*Maximum allowable current is DC current which causes 10% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)

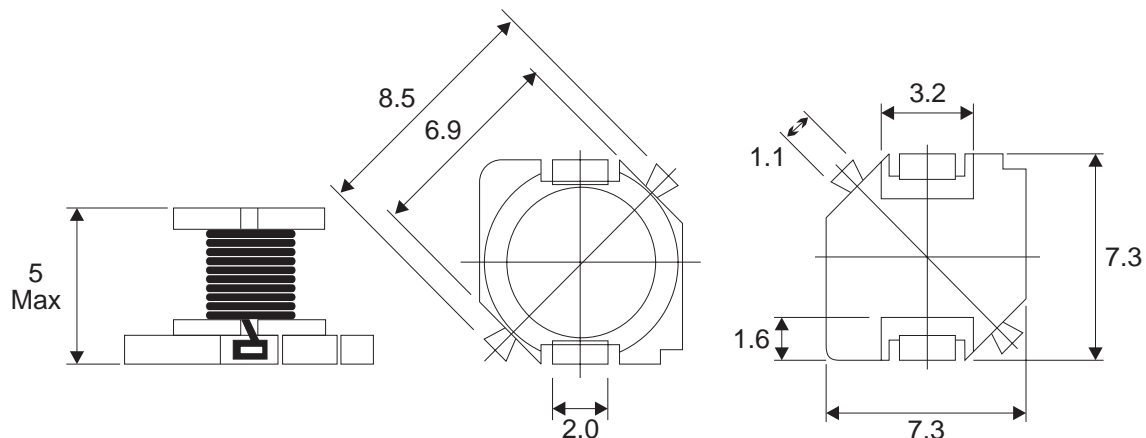


Surface Mount Inductors

D355 Series

Features

- Compact, low profile (7.3mm square, 5mm high)
- Suitable for reflow soldering.
- Available on tape and reel for automatic insertion.
- Ideal for a variety of DC-DC converter inductor applications.



Electrical Specifications

UNIT: (m/m)

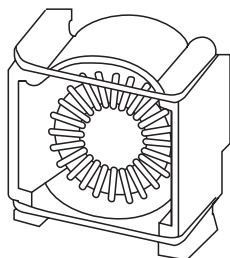
PART NUMBER	INDUCTANCE L (μH) ±20%	L TEST FREQUENCY (KHz)	DC RESISTANCE (Ω) MAX	RATED DC CURRENT (A) MAX
D355-100K	10	100	0.104	1.50
D355-120K	12	100	0.116	1.44
D355-150K	15	100	0.133	1.36
D355-180K	18	100	0.146	1.30
D355-220K	22	100	0.167	1.23
D355-270K	27	100	0.188	1.11
D355-330K	33	100	0.218	1.00
D355-390K	39	100	0.244	0.93
D355-470K	47	100	0.384	0.85
D355-560K	56	100	0.403	0.75
D355-680K	68	100	0.452	0.70
D355-820K	82	100	0.510	0.65
D355-101K	100	100	0.904	0.52
D355-121K	120	100	0.940	0.50
D355-151K	150	100	1.080	0.45
D355-181K	180	100	1.229	0.40
D355-221K	220	100	1.383	0.38
D355-271K	270	100	1.563	0.35
D355-331K	330	100	2.438	0.30
D355-391K	390	100	2.693	0.28
D355-471K	470	100	3.056	0.26
D355-561K	560	100	3.441	0.24
D355-681K	680	100	3.938	0.21
D355-821K	820	100	4.785	0.19
D355-102K	1000	100	5.650	0.17

*Maximum allowable current is DC current which causes 10% inductance reduction of the initial value, or coil temperature to rise by 40°C, whichever is smaller. (Reference ambient temperature 20°C)



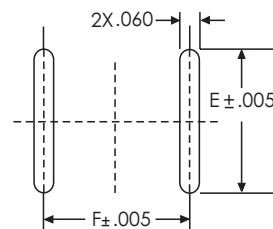
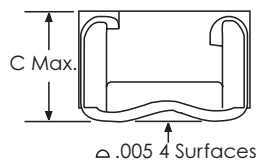
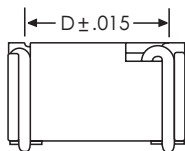
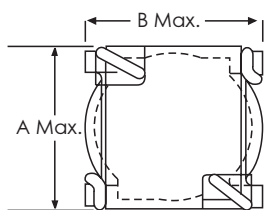
Surface Mount Toroids

T210 Series



GENERAL CHARACTERISTICS

- Suited for IR and vapor reflow solder process
- Rated up to 130° Celsius
- Standard packaging in tubes, optional packaging in plastic trays or tape-and-reel
- Custom designs available upon request



ELECTRICAL SPECIFICATIONS

Part Number	L @ 0 Adc μ H (tolerance \pm 20%)	Idc AMPS (Estimated rise of 55°C for conditions shown)	LW/Idc uH (Estimated rise of 55°C for conditions shown)	DC Resistance Ohms Maximum(Ω)	Version
T210-01	7.00	1.4	6.2	0.070	1
T210-02	22.70	1.0	17.6	0.125	1
T210-03	35.30	1.4	29.7	0.166	2
T210-04	73.00	1.3	58.1	0.290	3
T210-05	167.00	0.9	114.0	0.380	2
T210-06	292.00	0.9	192.0	0.560	3
T210-07	672.00	0.7	383.0	0.862	3
T210-08	1134.00	0.7	645.0	1.250	4
T210-09	1950.00	0.7	1070.0	1.700	5
T210-10	1.10	3.4	1.0	0.011	1
T210-11	12.30	2.8	9.4	0.043	2
T210-12	21.90	2.7	16.2	0.063	3
T210-13	40.50	2.7	29.1	0.085	4
T210-14	72.90	2.6	50.0	0.133	5
T210-15	5.20	4.8	3.8	0.017	2
T210-16	7.50	5.4	5.1	0.018	3
T210-17	14.00	5.5	9.0	0.022	4
T210-18	25.90	5.1	16.1	0.032	5
T210-19	3.80	8.0	2.5	0.008	3
T210-20	7.90	7.8	4.9	0.012	4
T210-21	16.00	7.2	9.3	0.019	5

MECHANICAL DATA

VERSION	A max (INCHES)	B max (INCHES)	C max (INCHES)	D (INCHES)	E (INCHES)	F (INCHES)
1	0.340	0.340	0.270	0.260	0.300	0.270
2	0.435	0.440	0.360	0.350	0.400	0.360
3	0.560	0.565	0.360	0.450	0.520	0.460
4	0.590	0.615	0.390	0.500	0.550	0.510
5	0.670	0.700	0.390	0.580	0.620	0.590

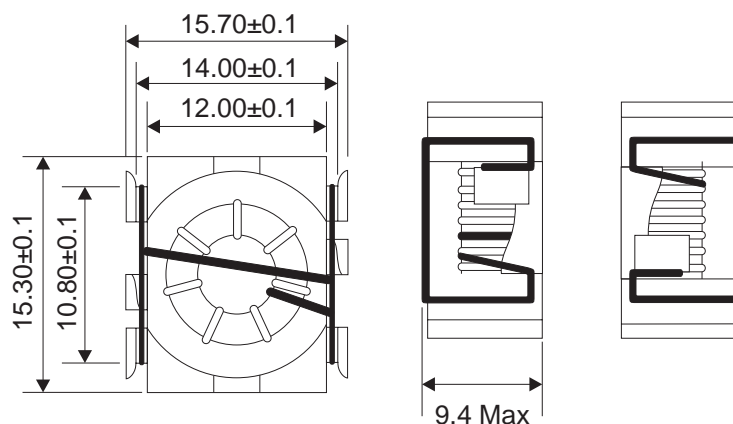


Surface Mount Inductors

T220 Series

Features

- Surface Mount
- Low profile (9.4mm high).
- High reliability.
- Suitable for reflow soldering.
- Available on tape and reel for automatic insertion.



Electrical Specifications

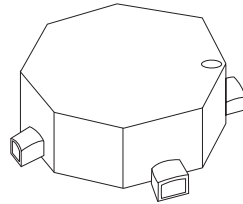
PART NUMBER	INDUCTANCE L (μH) ±20%	DC RESISTANCE (Ω) MAX	10% DROP DC (AMPS)	20% DROP DC (AMPS)	30% DROP DC (AMPS)
T220-1R0M	1.00	3.89	4.80	7.50	10.00
T220-1R5M	1.50	14.40	4.50	7.00	9.00
T220-2R2M	2.20	15.15	3.50	5.50	7.50
T220-3R3M	3.30	19.37	2.90	4.20	5.50
T220-4R7M	4.70	14.40	2.30	3.70	4.80
T220-6R8M	6.80	15.61	1.90	2.90	4.00
T220-8R2M	8.20	20.00	1.90	2.90	3.80
T220-100M	10.00	30.08	1.70	2.50	3.30
T220-150M	15.00	42.26	1.40	2.00	2.60
T220-220M	22.00	52.90	1.20	1.70	2.20
T220-330M	33.00	95.12	1.00	13.0	1.80
T220-470M	47.00	112.25	0.80	1.10	1.50
T220-680M	68.00	180.00	0.60	0.95	1.30
T220-101M	100.00	225.83	0.50	0.75	1.00

*Rated for an operating temperature range of -30°C to 130°C (ambient temperature plus the temperature rise of the inductor) with a linear inductance variation.



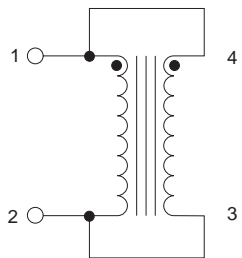
SMT Power Inductor/Transformers

T410 Series

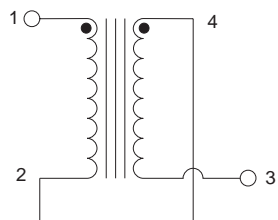


General Specifications

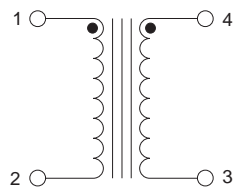
SIZE 1	PARALLEL				SERIES			
PART NUMBER	OPEN CIRCUIT INDUCTANCE $\mu\text{H}\pm 20\%$	FULL LOAD INDUCTANCE $\mu\text{H MIN}$	FULL LOAD CURRENT Adc	DC RESISTANCE Ohms MAX	OPEN CIRCUIT INDUCTANCE $\mu\text{H}\pm 20\%$	FULL LOAD INDUCTANCE $\mu\text{H MIN}$	FULL LOAD CURRENT Adc	DC RESISTANCE Ohms MAX
T4105-1	4.81	2.66	2.30	0.031	19.83	10.64	1.15	0.122
T4108-1	7.86	4.08	2.00	0.040	32.01	16.34	1.00	0.158
T41010-1	9.85	4.85	1.90	0.044	40.60	19.40	0.95	0.176
T41015-1	14.35	8.74	1.10	0.080	57.64	34.96	0.55	0.319
T41020-1	20.28	11.54	1.00	0.146	83.90	46.15	0.50	0.584
T41025-1	24.28	16.35	0.74	0.167	100.21	65.42	0.37	0.667
T41033-1	33.69	19.84	0.72	0.293	131.90	79.37	0.36	1.171
T41050-1	49.72	29.34	0.64	0.366	203.00	117.38	0.32	1.462
T41068-1	67.40	39.73	0.54	0.517	276.50	158.92	0.27	2.065
T41082-1	82.40	48.52	0.46	0.690	331.00	196.42	0.23	2.762
T410100-1	100.26	58.72	0.44	0.785	406.20	234.88	0.22	3.137
T410150-1	150.80	85.16	0.38	0.966	607.50	340.64	0.19	3.862
T410200-1	202.40	107.60	0.37	1.142	817.15	430.39	0.19	4.567



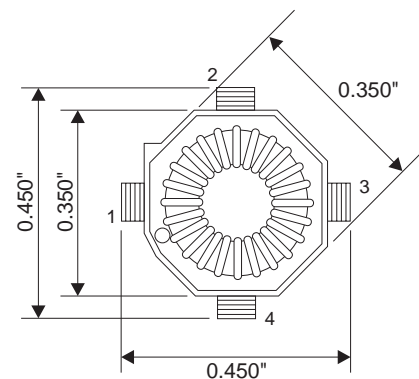
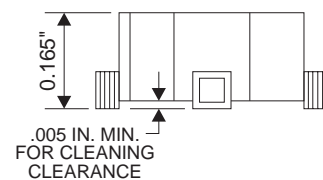
PARALLEL



SERIES



TRANSFORMER



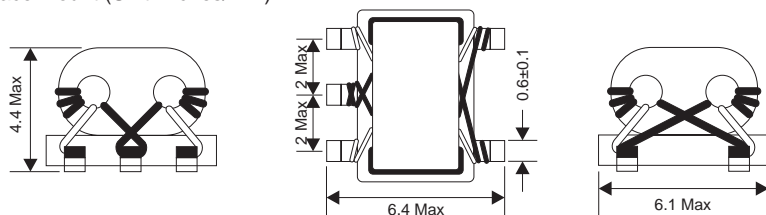
BOTTOM VIEW



Balun Transformers

B110 Series

Surface Mount (Unit: inches/mm)



Features

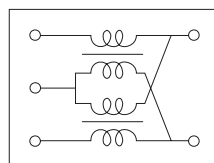
- Pair wire coil for high stability.
- Base pin terminal treated, allowing mounting 'as is' on a PCB.

Applications

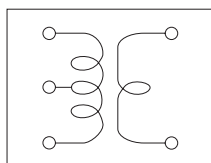
- Double balance mixers, broad-band transformers, impedance transformers, etc.

Part Number	Winding Turns	Operating Frequency Range	Insertion Loss	Pin Connection Fig.	
Double Balanced Mixer	B110-1012	1	50MHz~400MHz	10dB max.	1
	B110-1013	2	10MHz~1.0GHz	6dB max.	1
	B110-1003	3	8MHz~800MHz	3.5dB max.	1
	B110-1008	4	6MHz~600MHz	2.5dB max.	1
	B110-1011	5	5MHz~500MHz	2dB max.	1
	B110-1005	2	400MHz~1.3GHz	4dB max.	1
	B110-1085	1x2 1	-----	3dB max.	2
	B110-1052	2x2 2	9MHz~350MHz	3dB max.	2
Frequency Mixer	B110-1024	3x2 3	3.5MHz~470MHz	3dB max.	2
	B110-1086	4x2 4	2.2MHz~400MHz	3dB max.	2
	B110-1087	5x2 5	1.5MHz~300MHz	3dB max.	2
Distributor	B110-1014	-----	20MHz~600MHz	IN to OUT-1,2 4.5dB max. OUT-1 to OUT-2 (ISOLATION) 10dB min.	3
Directional Coupler	B110-1015	4	6MHz~600MHz	IN to OUT-1 1.3dB max. IN to OUT-2 11dB~14dB	4
	B110-1006	5	6MHz~600MHz	IN to OUT-1 0.9dB max. IN to OUT-2 13dB~16dB	4
	YB001-1007	6	6MHz~600MHz	IN to OUT-1 0.8db max. IN to OUT-2 15dB~17dB	4

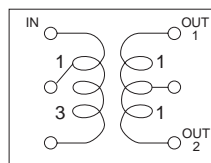
Pin Connection



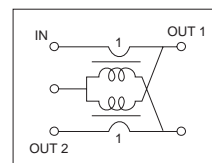
Double Balanced Mixer
Fig. 1



Transformer
Fig. 3



Distributor
Fig. 3

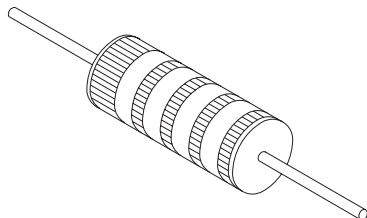


Directional Coupler
Fig. 4



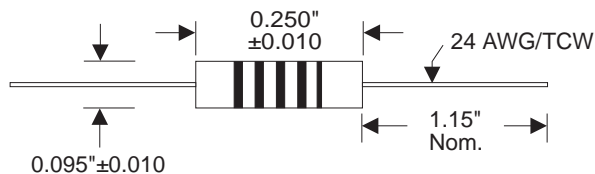
Molded Inductors

MCM Series



General Specifications

Inductance Range: 0.10 μ H to 1,000 μ H
 Operating Temperature Range: -55°C to +105°C.
 Current Rating: Based on temperature rise not to exceed 35°C.
 Ambient Temperature: 70°C.
 Inductance Tolerance: \pm 10% over entire inductance range.
 Marking: 5-band color code.



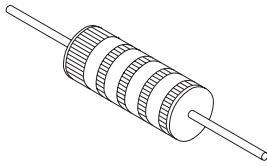
Part Number	Inductance (μ H)	Q Min	Test Freq. (MHz)	Self Resonant Freq. Min. (MHz)	DC Resistance Max (Ω)	Rated DC Current Max (mA)
MCM-R10K	.10	40	25	680	.08	1350
MCM-R12K	.12	40	25	640	.09	1270
MCM-R15K	.15	38	25	600	.10	1200
MCM-R18K	.18	35	25	550	.12	1105
MCM-R22K	.22	33	25	510	.14	1025
MCM-R27K	.27	33	25	430	.16	960
MCM-R33K	.33	30	25	410	.22	815
MCM-R39K	.39	30	25	365	.30	700
MCM-R47K	.47	30	25	330	.35	650
MCM-R56K	.56	30	25	300	.50	545
MCM-R68K	.68	28	25	275	.60	495
MCM-R82K	.82	28	25	250	.85	415
MCM-1R0K	1.0	25	25	230	1.00	385
MCM-1R2K	1.2	25	7.9	150	.18	590
MCM-1R5K	1.5	28	7.9	140	.22	535
MCM-1R8K	1.8	30	7.9	125	.30	455
MCM-2R2K	2.2	30	7.9	115	.40	395
MCM-2R7K	2.7	37	7.9	100	.55	355
MCM-3R3K	3.3	45	7.9	90	.85	270
MCM-3R9K	3.9	45	7.9	80	1.0	250
MCM-4R7K	4.7	45	7.9	75	1.2	230
MCM-5R6K	5.6	50	7.9	65	1.8	185
MCM-6R8K	6.8	50	7.9	60	2.0	175
MCM-8R2K	8.2	55	7.9	55	2.7	155
MCM-100K	10	55	7.9	50	3.7	130
MCM-120K	12	45	2.5	40	2.7	155
MCM-150K	15	40	2.5	35	2.8	150
MCM-180K	18	50	2.5	30	3.1	145
MCM-220K	22	50	2.5	25	3.3	140
MCM-270K	27	50	2.5	20	3.5	135
MCM-330K	33	45	2.5	24	3.4	130
MCM-390K	39	45	2.5	22	3.6	125
MCM-470K	47	45	2.5	20	4.5	110
MCM-560K	56	45	2.5	18	5.7	100
MCM-680K	68	50	2.5	15	6.7	92
MCM-820K	82	50	2.5	14	7.3	88
MCM-101K	100	50	2.5	13	8	84
MCM-121K	120	30	.79	12	13	66
MCM-151K	150	30	.79	11	15	61
MCM-181K	180	30	.79	10	17	57
MCM-221K	220	30	.79	9	21	52
MCM-271K	270	30	.79	8	25	47
MCM-331K	330	30	.79	7.0	28	45
MCM-391K	390	30	.79	6.5	35	40
MCM-471K	470	30	.79	6.0	42	36
MCM-561K	560	30	.79	5.0	46	35
MCM-681K	680	30	.79	4.0	60	30
MCM-821K	820	30	.79	3.8	65	29
MCM-102K	1000	30	.79	3.4	72	28

Specifications are subject to change without notice.



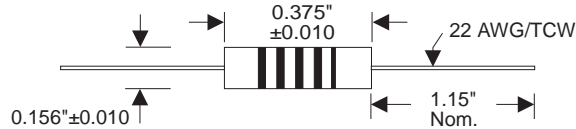
Molded Inductors

MCS Series



General Specifications

Inductance Range: 0.15 μ H to 1,000 μ H
 Operating Temperature Range: -55°C to +105°C.
 Ambient Temperature: +70°C
 Inductance Tolerance: \pm 20% from 0.15 μ H to 0.47 μ H; \pm 10% from 0.56 μ H to 33 μ H; \pm 5% from 36 μ H to 1,000 μ H
 Marking: 5-band color code.



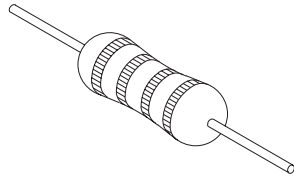
Part Number	Inductance (μ H)	Q Min	Test Freq. (MHz)	Self Resonant Freq. Min. (MHz)	DC Resistance Max (Ω)	Rated DC Current Max (mA)
MCS-R15M	.15	50	25	525	.03	2740
MCS-R22M	.22	50	25	450	.055	2080
MCS-R33M	.33	45	25	360	.09	1580
MCS-R47M	.47	45	25	310	.12	1370
MCS-R56K	.56	50	25	280	.135	1290
MCS-R68K	.68	50	25	250	.15	1220
MCS-R82K	.82	50	25	250	.22	1020
MCS-1R0K	1.0	50	25	200	.29	880
MCS-1R2K	1.2	33	7.9	180	.42	730
MCS-1R5K	1.5	33	7.9	160	.23	670
MCS-1R8K	1.8	33	7.9	150	.65	590
MCS-2R2K	2.2	33	7.9	135	.95	485
MCS-2R7K	2.7	33	7.9	120	1.20	430
MCS-3R3K	3.3	33	7.9	110	2.00	335
MCS-3R9K	3.9	33	7.9	100	2.30	310
MCS-4R7K	4.7	33	7.9	90	2.60	294
MCS-5R6K	5.6	45	7.9	55	.32	565
MCS-6R8K	6.8	50	7.9	55	.50	450
MCS-8R2K	8.2	50	7.9	50	.60	410
MCS-100K	10	55	7.9	45	.90	335
MCS-120K	12	65	2.5	42	1.10	305
MCS-150K	15	65	2.5	40	1.40	271
MCS-180K	18	75	2.5	34	2.25	213
MCS-220K	22	75	2.5	30	2.5	202
MCS-240K	24	60	2.5	26	2.50	202
MCS-270K	27	60	2.5	25	2.60	202
MCS-300K	30	65	2.5	21	2.80	191
MCS-330K	33	65	2.5	19	3.00	185
MCS-360J	36	60	2.5	15.5	2.50	202
MCS-390J	39	60	2.5	14.5	2.60	198
MCS-430J	43	60	2.5	13.7	2.70	194
MCS-470J	47	55	2.5	13	2.75	193
MCS-510J	51	55	2.5	12.7	2.85	189
MCS-560J	56	55	2.5	12.0	3.00	184
MCS-620J	62	55	2.5	11.5	3.15	180
MCS-680J	68	55	2.5	11.0	3.30	176
MCS-750J	75	55	2.5	10.5	3.70	166
MCS-820J	82	50	2.5	10.3	3.90	162
MCS-910J	91	50	2.5	10.0	4.30	154
MCS-101J	100	50	2.5	9.5	5.50	151
MCS-111J	110	60	.79	8.9	4.90	144
MCS-121J	120	65	.79	8.7	5.20	140
MCS-131J	130	65	.79	8.5	5.45	137
MCS-151J	150	65	.79	8.0	6.05	130
MCS-161J	160	65	.79	7.5	6.40	126
MCS-181J	180	65	.79	8.0	6.05	130
MCS-201J	200	65	.79	6.5	7.10	123
MCS-221J	220	65	.79	6.2	7.45	117
MCS-241J	240	65	.79	5.9	7.80	115
MCS-271J	270	65	.79	5.7	11.0	143
MCS-301J	300	65	.79	5.1	12.0	136
MCS-331J	330	65	.79	5.1	12.0	136
MCS-361J	360	65	.79	4.8	12.5	134
MCS-391J	390	65	.79	4.5	16.3	117
MCS-431J	430	65	.79	4.2	17.1	115
MCS-471J	470	65	.79	3.9	17.9	112
MCS-511J	510	65	.79	3.7	18.8	109
MCS-561J	560	65	.79	3.8	19.6	107
MCS-621J	620	65	.79	3.3	25.9	93
MCS-681J	680	65	.79	3.1	27.2	91
MCS-721J	720	65	.79	2.9	28.6	88
MCS-821J	820	65	.79	2.7	30.0	86
MCS-911J	910	65	.79	2.5	31.5	84
MCS-102J	1000	65	.79	2.3	33.0	82

Specifications are subject to change without notice.



Conformal Coated Chokes

ECM Series



General Specifications

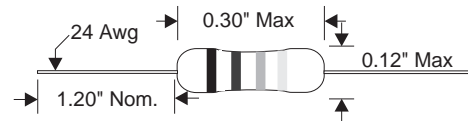
Inductance Range: 0.10 μ H to 1000 μ H
 Operating Temp: -20°C to +105°C
 Terminal Strength: 5 lbs pull test
 Rated Current: Based on coil temperature

Marking



Color	1st & 2nd Sig. Fig.	3rd Multiplier	4th Tolerance
Black	0	1	±3%
Brown	1	10	
Red	2	100	
Orange	3	1000	
Yellow	4	-	
Green	5	-	
Blue	6	-	
Violet	7	-	
Grey	8	-	
White	9	-	
Gold	-	0.1	±5%

Dimensions



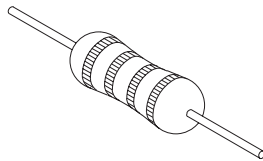
Part No.	Inductance		Q (min)	Self-Resonance Frequency [MHz] (min)	DC Resistance [Ohm] (max)	I DC [mA]	Test Frequency [MHz]
	[μ H]	Tol.					
ECMR10K	0.10	±10%	35	480	0.06	1400	25.2
ECMR12K	0.12	±10%	35	450	0.06	1350	25.2
ECMR15K	0.15	±10%	35	420	0.07	1270	25.2
ECMR18K	0.18	±10%	35	400	0.07	1200	25.2
ECMR22K	0.22	±10%	35	380	0.08	1150	25.2
ECMR27K	0.27	±10%	35	360	0.09	1110	25.2
ECMR33K	0.33	±10%	35	320	0.10	1110	25.2
ECMR39K	0.39	±10%	35	310	0.12	1000	25.2
ECMR47K	0.47	±10%	40	300	0.15	1000	25.2
ECMR56K	0.56	±10%	40	280	0.18	950	25.2
ECMR68K	0.68	±10%	40	240	0.20	900	25.2
ECMR82K	0.82	±10%	40	200	0.22	900	25.2
ECM1R0K	1.0	±10%	40	180	0.25	815	25.2
ECM1R2K	1.2	±10%	50	160	0.28	740	7.96
ECM1R5K	1.5	±10%	50	140	0.30	700	7.96
ECM1R8K	1.8	±10%	50	120	0.35	655	7.96
ECM2R2K	2.2	±10%	50	110	0.40	630	7.96
ECM2R7K	2.7	±10%	50	85	0.45	595	7.96
ECM3R3K	3.3	±10%	50	70	0.50	575	7.96
ECM3R9K	3.9	±10%	50	65	0.55	555	7.96
ECM4R7K	4.7	±10%	50	50	0.60	530	7.96
ECM5R6K	5.6	±10%	50	40	0.65	500	7.96
ECM6R8K	6.8	±10%	50	30	0.70	470	7.96
ECM8R2K	8.2	±10%	50	28	0.80	425	7.96
ECM100K	10	±10%	50	22	0.85	370	7.96
ECM120K	12	±10%	50	20	0.90	350	2.52
ECM150K	15	±10%	50	16	1.00	335	2.52
ECM180K	18	±10%	50	15	1.20	315	2.52
ECM220K	22	±10%	50	13	1.35	285	2.52
ECM270K	27	±10%	50	11	1.80	270	2.52
ECM330K	33	±10%	50	10	2.10	255	2.52
ECM390K	39	±10%	50	9.5	2.30	240	2.52
ECM470K	47	±10%	50	8.5	2.60	205	2.52
ECM560K	56	±10%	50	7.5	2.90	195	2.52
ECM680K	68	±10%	50	6.5	3.20	185	2.52
ECM820K	82	±10%	50	6.0	3.80	175	2.52
ECM101K	100	±10%	50	5.5	4.20	165	2.52
ECM121K	120	±10%	50	5.4	4.50	160	0.796
ECM151K	150	±10%	50	4.7	5.00	150	0.796
ECM181K	180	±10%	50	4.3	6.00	140	0.796
ECM221K	220	±10%	50	4.0	7.00	130	0.796
ECM271K	270	±10%	50	3.7	7.50	120	0.796
ECM331K	330	±10%	50	3.4	8.00	100	0.796
ECM391K	390	±10%	50	2.8	10.00	95	0.796
ECM471K	470	±10%	50	2.5	13.00	90	0.796
ECM561K	560	±10%	50	2.3	15.00	85	0.796
ECM681K	680	±10%	50	2.0	16.00	75	0.796
ECM821K	820	±10%	50	1.5	23.00	65	0.796
ECM102K	1000	±10%	50	1.2	26.00	60	0.796

Specifications are subject to change without notice.



Conformal Coated Chokes

ECS Series



General Specifications

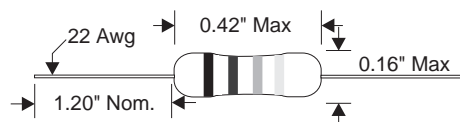
Inductance Range: 0.10 μ H to 2000 μ H
 Operating Temp: -20°C to +105°C
 Terminal Strength: 5 lbs pull test
 Rated Current: Based on coil

Marking



Color	1st & 2nd Sig. Fig.	3rd Multiplier	4th Tolerance
Black	0	1	±3%
Brown	1	10	
Red	2	100	
Orange	3	1000	
Yellow	4	-	
Green	5	-	
Blue	6	-	
Violet	7	-	
Grey	8	-	
White	9	-	±5%
Gold	-	0.1	

Dimensions



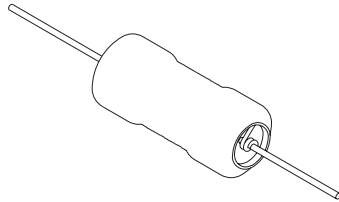
Part No.	Inductance		Q (min)	Self-Resonance Frequency [MHz] (min)	DC Resistance [Ohm] (max)	I DC [mA]	Test Frequency [MHz]
	[μ H]	Tol.					
ECSR10K	0.10	±10%	50	480	0.06	1700	25.2
ECSR12K	0.12	±10%	50	450	0.06	1640	25.2
ECSR15K	0.15	±10%	50	420	0.07	1560	25.2
ECSR18K	0.18	±10%	50	400	0.07	1480	25.2
ECSR22K	0.22	±10%	50	380	0.08	1400	25.2
ECSR27K	0.27	±10%	50	340	0.09	1320	25.2
ECSR33K	0.33	±10%	50	300	0.10	1280	25.2
ECSR39K	0.39	±10%	50	280	0.12	1200	25.2
ECSR47K	0.47	±10%	50	250	0.13	1150	25.2
ECSR56K	0.56	±10%	50	230	0.14	1100	25.2
ECSR68K	0.68	±10%	50	210	0.15	1030	25.2
ECSR82K	0.82	±10%	50	172	0.16	980	25.2
ECS1R0K	1.0	±10%	50	157	0.17	920	25.2
ECS1R2K	1.2	±10%	50	144	0.18	880	7.96
ECS1R5K	1.5	±10%	50	131	0.20	830	7.96
ECS1R8K	1.8	±10%	50	121	0.22	790	7.96
ECS2R2K	2.2	±10%	50	110	0.24	750	7.96
ECS2R7K	2.7	±10%	60	100	0.25	720	7.96
ECS3R3K	3.3	±10%	60	94	0.30	670	7.96
ECS3R9K	3.9	±10%	60	86	0.35	640	7.96
ECS4R7K	4.7	±10%	70	80	0.40	620	7.96
ECS5R6K	5.6	±10%	70	74	0.45	590	7.96
ECS6R8K	6.8	±10%	70	68	0.50	550	7.96
ECS8R2K	8.2	±10%	80	53	0.60	530	7.96
ECS100K	10	±10%	80	40	0.65	500	7.96
ECS120K	12	±10%	70	34	0.70	480	2.52
ECS150K	15	±10%	70	20	0.75	460	2.52
ECS180K	18	±10%	60	14	0.80	430	2.52
ECS220K	22	±10%	60	9.9	0.90	410	2.52
ECS270K	27	±10%	50	7.6	1.00	390	2.52
ECS330K	33	±10%	50	6.5	1.10	370	2.52
ECS390K	39	±10%	50	6.5	1.20	350	2.52
ECS470K	47	±10%	45	6.3	1.30	340	2.52
ECS560K	56	±10%	45	6.2	1.50	320	2.52
ECS680K	68	±10%	40	5.7	1.80	305	2.52
ECS820K	82	±10%	35	5.3	2.00	290	2.52
ECS101K	100	±10%	30	4.8	2.50	275	2.52
ECS121K	120	±10%	60	3.8	3.00	185	0.796
ECS151K	150	±10%	60	3.5	4.00	175	0.796
ECS181K	180	±10%	60	3.0	4.50	165	0.796
ECS221K	220	±10%	60	2.8	5.00	155	0.796
ECS271K	270	±10%	60	2.6	6.00	145	0.796
ECS331K	330	±10%	60	2.4	6.50	137	0.796
ECS391K	390	±10%	55	2.0	7.50	133	0.796
ECS471K	470	±10%	50	1.8	8.50	126	0.796
ECS561K	560	±10%	50	1.6	9.50	120	0.796
ECS681K	680	±10%	45	1.6	12.00	113	0.796
ECS821K	820	±10%	45	1.4	14.00	105	0.796
ECS102K	1000	±10%	40	1.2	20.00	100	0.796
ECS122K	1200	±10%	30	0.7	32.50	90	0.252
ECS152K	1500	±10%	30	0.6	37.00	50	0.252
ECS182K	1800	±10%	30	0.5	41.00	40	0.252
ECS222K	2200	±10%	30	0.4	45.00	30	0.252

Specifications are subject to change without notice.



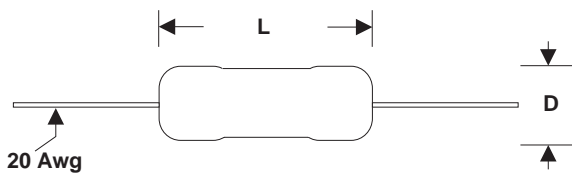
Power Line Chokes

PCL and PCS Series



General Specifications

Inductance Range: 3.9 μ H to 100,000 μ H
 Inductance Tolerance: \pm 10%, Standard
 (\pm 5% Optional)
 Test Frequency: 1 KHz
 Saturation Current: Lowers inductance by 10%
 Temperature Rating: -55°C to +100°C
 Encapsulation: PVC Shrink Tubing
 (Polyolefin Tubing Optional)



Series	L	D	Lead Length
PCL	0.92" max	0.47" max	1.20" nom.
PCS	0.60" max	0.26" max	1.20" nom.

PCL Series

Part Number	Ind. [μ H]	DCR [Max] [Ohms]	INCR,I [DC,A]	Rated I, AC [Max]
PCL-3R9K	3.9	.007	15.5	4
PCL-4R7K	4.7	.008	13.9	4
PCL-5R6K	5.6	.011	12.6	4
PCL-6R8K	6.8	.011	11.6	4
PCL-8R2K	8.2	.013	9.89	4
PCL-100K	10	.017	8.70	4
PCL-120K	12	.019	8.21	4
PCL-150K	15	.022	7.34	4
PCL-180K	18	.023	6.64	4
PCL-220K	22	.026	6.07	4
PCL-270K	27	.027	5.36	4
PCL-330K	33	.032	4.82	4
PCL-390K	39	.033	4.36	4
PCL-470K	47	.035	3.98	4
PCL-560K	56	.037	3.66	3.2
PCL-680K	68	.047	3.31	2.5
PCL-820K	82	.060	3.10	2.0
PCL-101K	100	.090	2.79	1.6
PCL-121K	120	.113	2.54	1.6
PCL-151K	150	.129	2.22	1.6
PCL-181K	180	.150	1.98	1.6
PCL-221K	220	.162	1.89	1.6
PCL-271K	270	.208	1.63	1.6
PCL-331K	330	.212	1.51	1.6
PCL-391K	390	.281	1.39	1.6
PCL-471K	470	.380	1.24	1.2
PCL-561K	560	.420	1.17	1.0
PCL-681K	680	.548	1.05	1.0
PCL-821K	820	.655	.97	.8
PCL-102K	1000	.844	.87	.8
PCL-122K	1200	1.04	.79	.6
PCL-152K	1500	1.18	.70	.6
PCL-182K	1800	1.56	.64	.6
PCL-222K	2200	2.00	.58	.5
PCL-272K	2700	2.06	.53	.4
PCL-332K	3300	2.63	.47	.4
PCL-392K	3900	2.75	.43	.4
PCL-472K	4700	3.19	.39	.4
PCL-562K	5600	3.92	.359	.315
PCL-682K	6800	5.69	.322	.250
PCL-822K	8200	6.32	.293	.250
PCL-103K	10000	7.30	.266	.250
PCL-333K	33000	25.70	.146	.125
PCL-683K	68000	57.30	.101	.082
PCL-104K	100000	89.00	.081	.065

PCS Series

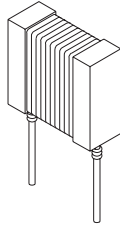
Part Number	Ind. [μ H]	DCR [Max] [Ohms]	INCR,I [DC,A]	Rated I, AC [Max]
PCS-3R9K	3.9	.019	7.3	1.28
PCS-4R7K	4.7	.022	6.3	1.28
PCS-5R6K	5.6	.024	5.6	1.28
PCS-6R8K	6.8	.026	5.3	1.28
PCS-8R2K	8.2	.028	4.5	1.28
PCS-100K	10	.033	4.1	1.28
PCS-120K	12	.037	3.6	1.28
PCS-150K	15	.040	3.3	1.28
PCS-180K	18	.044	3.0	1.28
PCS-220K	22	.050	2.7	1.28
PCS-270K	27	.056	2.5	1.28
PCS-330K	33	.076	2.2	1.00
PCS-390K	39	.094	2.0	.804
PCS-470K	47	.109	1.8	.804
PCS-560K	56	.140	1.7	.804
PCS-680K	68	.131	1.5	.804
PCS-820K	82	.152	1.4	.804
PCS-101K	100	.208	1.2	.632
PCS-121K	120	.283	1.1	.508
PCS-151K	150	.340	1.0	.508
PCS-181K	180	.362	.95	.508
PCS-221K	220	.430	.86	.508
PCS-271K	270	.557	.77	.400
PCS-331K	330	.665	.70	.400
PCS-391K	390	.772	.64	.400
PCS-471K	470	1.15	.59	.315
PCS-561K	560	1.27	.54	.315
PCS-681K	680	1.61	.49	.250
PCS-821K	820	1.96	.44	.200
PCS-102K	1000	2.30	.40	.200
PCS-122K	1200	2.65	.35	.200
PCS-152K	1500	3.45	.33	.158
PCS-182K	1800	4.03	.29	.158
PCS-222K	2200	4.48	.27	.158
PCS-272K	2700	5.40	.24	.125
PCS-332K	3300	6.56	.22	.125
PCS-392K	3900	8.63	.20	.100
PCS-472K	4700	9.66	.18	.100
PCS-562K	5600	13.9	.166	.082
PCS-682K	6800	16.3	.151	.082
PCS-822K	8200	20.8	.136	.065
PCS-103K	10000	26.4	.125	.050
PCS-123K	12000	29.9	.114	.050
PCS-153K	15000	42.5	.098	.039
PCS-183K	18000	48.3	.091	.039

Specifications are subject to change without notice.



Flat Coil

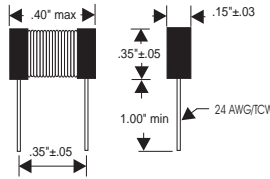
FC Series



General Specifications

Inductance Range: 1.0 μ H to 10,000 μ H
 Current Rating: Based on current flow temperature rise of 20° maximum at 80°C ambient temperature.
 Operating Temperature: -20°C to +10°C.
 Inductance Tolerance: \pm 10% over entire range.
 Terminal Strength: 5 lb. minimum

Dimensions



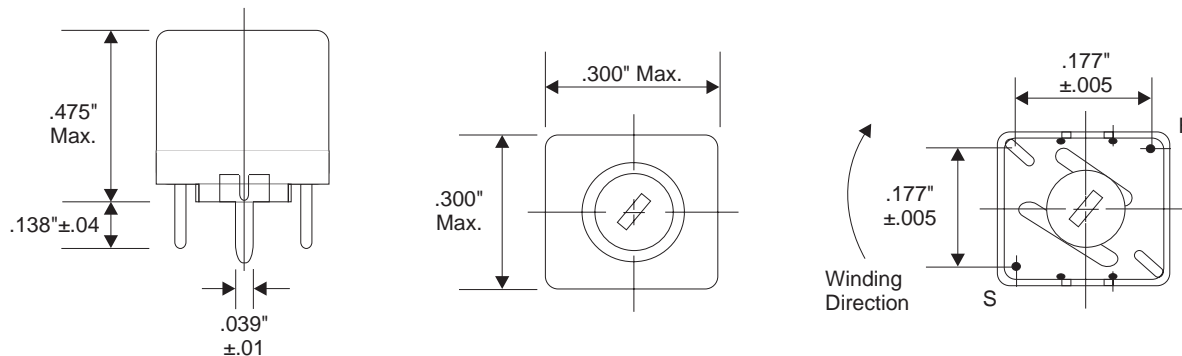
PART NUMBER	INDUCTANCE (μ H)	Q MIN.	TEST FREQ. (MHz)	DC RESISTANCE (Ohms)	RATED DC CURRENT MAX (A)
FC-1R0K	1.0	37	7.9	.015	7.0
FC-1R2K	1.2	39	7.9	.012	6.0
FC-1R5K	1.5	35	7.9	.014	5.0
FC-1R8K	1.8	37	7.9	.020	4.8
FC-2R2K	2.2	38	7.9	.025	4.4
FC-2R5K	2.5	40	7.9	.030	4.1
FC-2R7K	2.7	43	7.9	.028	4.0
FC-3R3K	3.3	35	7.9	.036	3.7
FC-3R9K	3.9	37	7.9	.050	3.4
FC-4R7K	4.7	37	7.9	.053	3.2
FC-5R0K	5.0	40	7.9	.080	2.9
FC-5R6K	5.6	38	7.9	.092	2.8
FC-6R8K	6.8	29	7.9	.113	2.6
FC-7R6K	7.6	30	7.9	.110	2.5
FC-8R2K	8.2	32	7.9	.116	2.2
FC-100K	10	80	7.9	.190	2.1
FC-120K	12	40	2.5	.140	2.0
FC-150K	15	40	2.5	.158	1.6
FC-180K	18	40	2.5	.180	1.6
FC-220K	22	40	2.5	.230	1.4
FC-250K	25	50	2.5	.500	1.3
FC-270K	27	50	2.5	.285	1.3
FC-330K	33	45	2.5	.346	1.2
FC-390K	39	45	2.5	.371	1.1
FC-470K	47	45	2.5	.502	1.03
FC-500K	50	40	2.5	.600	1.00
FC-560K	56	40	2.5	.687	.95
FC-680K	68	40	2.5	.808	.90
FC-750K	75	40	2.5	1.200	.86
FC-820K	82	50	2.5	1.200	.86
FC-101K	100	80	.79	1.600	.70
FC-121K	120	70	.79	1.725	.65
FC-151K	150	70	.79	1.855	.60
FC-181K	180	70	.79	2.070	.58
FC-221K	220	50	.79	2.105	.49
FC-251K	250	40	.79	2.700	.49
FC-271K	270	50	.79	2.530	.45
FC-331K	330	50	.79	3.335	.41
FC-391K	390	45	.79	3.450	.39
FC-471K	470	40	.79	5.290	.35
FC-501K	500	35	.79	5.300	.34
FC-561K	560	40	.79	5.405	.32
FC-681K	680	45	.79	5.930	.29
FC-751K	750	30	.79	5.950	.28
FC-821K	820	40	.79	6.325	.27
FC-102K	1000	70	.25	8.600	.21
FC-122K	1200	70	.25	10.00	.21
FC-152K	1500	62	.25	14.26	.19
FC-182K	1800	62	.25	15.76	.17
FC-222K	2200	60	.25	17.70	.15
FC-252K	2500	60	.25	18.00	.14
FC-272K	2700	60	.25	19.10	.14
FC-332K	3300	50	.25	21.74	.13
FC-392K	3900	50	.25	26.00	.12
FC-472K	4700	50	.25	28.00	.11
FC-602K	6000	35	.25	31.00	.10
FC-752K	7500	25	.25	50.00	.08
FC-103K	10000	25	.25	70.00	.07

Specifications are subject to change without notice.



Variable Shielded Inductors

VL01 and VL02 Series



Wire: AWG #24 TCW
 Core: 6-32 (.129 x 32 TPI) Captive Slot
 Testing:

1. Inductance and Q measured on Q meter HP4342A. Attach 1/2" AWG #16 TCW soldered along full length of the coil leads. Then bend 1/4" down from bottom of stand of f at an angle of 90°.
2. Inductance min. is measured with core flush to top of form.
3. All inductance values greater than 0.1µH read at recommended Q meter frequency.

VL01 Series

Part Number	Ind. [Min] [µH]	Ind. [Nom] [µH]	Ind. [Max] [µH]	Min. Q @ Ind. [Nom]	Color
VL01-02	.038	.039	.0395	65 @ 50 MHz	Brown
VL01-04	.051	.054	.056	70 @ 50 MHz	Red
VL01-06	.071	.076	.081	77 @ 50 MHz	Orange
VL01-08	.086	.095	.104	80 @ 50 MHz	Yellow
VL01-10	.107	.115	.123	78 @ 50 MHz	Green
VL01-12	.125	.134	.143	80 @ 50 MHz	Blue
VL01-14	.150	.156	.162	80 @ 50 MHz	Violet

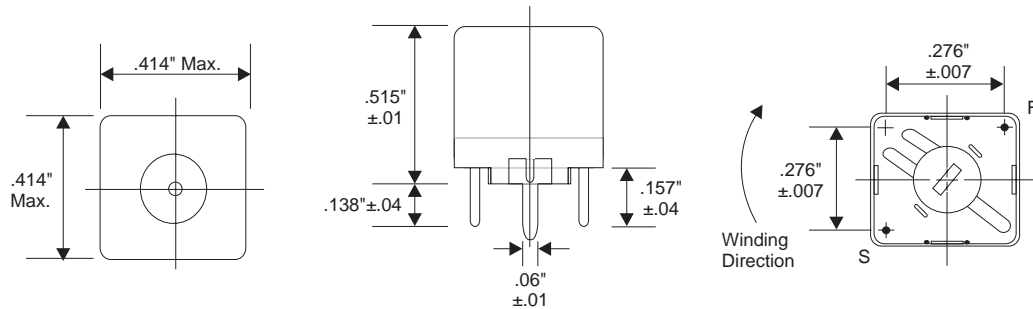
VL02 Series

Part Number	Ind. [Min] [µH]	Ind. [Nom] [µH]	Ind. [Max] [µH]	Min. Q @ Ind. [Nom]	Color
VL02-02	.037	.038	.039	76 @ 50 MHz	Brown
VL02-04	.054	.058	.063	78 @ 50 MHz	Red
VL02-06	.080	.085	.090	78 @ 50 MHz	Orange
VL02-08	.100	.110	.120	78 @ 50 MHz	Yellow
VL02-10	.120	.135	.150	76 @ 50 MHz	Green
VL02-12	.142	.163	.184	72 @ 50 MHz	Blue
VL02-14	.172	.194	.216	68 @ 50 MHz	Violet
VL02-16	.200	.224	.248	66 @ 50 MHz	Gray
VL02-18	.234	.260	.284	60 @ 50 MHz	White
VL02-20	.260	.288	.315	56 @ 50 MHz	Black



Variable Shielded Inductors

VL03, VL04, and VL05 Series



Wire: AWG #22 Single Polyurethane
 Core: 10-32 (180 x 32 TPI) Hex Hole
 Testing:

1. Q & L readings taken on HP 4342A Q meter with 1/2" long of AWG #16 TCW soldered along the coil leads and with one end flush with the bottom of the coil. Then bent 1/4" down from stand off at an angle of 90°.
2. L min measured with core halfway out top of form.
3. All L values greater than 0.1µH read at recommended Q meter frequency.
4. All L values below 0.1µH calculated from readings taken at 50 MHz.

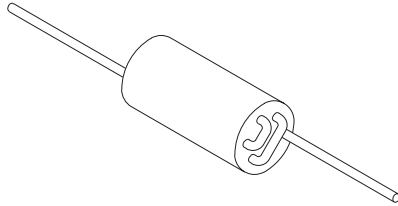
VL03, VL04, VL05 Series

Part Number	Ind. [Min] [µH]	Ind. [Nom] [µH]	Ind. [Max] [µH]	Min. Q @ Ind. [Nom]	Color
VL03-02	.042	.044	.045	-----	Brown
VL03-04	.064	.070	.074	-----	Red
VL03-06	.115	.117	.120	-----	Orange
VL03-08	.147	.156	.160	88 @ 40 MHz	Yellow
VL03-10	.182	.197	.205	86 @ 40 MHz	Green
VL03-12	.220	.240	.248	85 @ 40 MHz	Blue
VL03-14	.259	.280	.290	80 @ 40 MHz	Violet
VL03-16	.299	.322	.337	77 @ 40 MHz	Gray
VL03-18	.338	.363	.377	80 @ 40 MHz	White
VL03-20	.382	.410	.422	82 @ 40 MHz	Black
VL04-02	.043	.045	.047	-----	Brown
VL04-04	.070	.074	.078	-----	Red
VL04-06	.092	.099	.106	-----	Orange
VL04-08	.111	.122	.133	-----	Yellow
VL04-10	.132	.149	.165	-----	Green
VL04-12	.154	.175	.196	105 @ 40 MHz	Blue
VL04-14	.176	.200	.223	104 @ 40 MHz	Violet
VL04-16	.202	.226	.250	97 @ 40 MHz	Gray
VL04-18	.239	.256	.274	104 @ 40 MHz	White
VL04-20	.270	.282	.295	93 @ 40 MHz	Black
VL05-02	.315	.369	.423	80 @ 40 MHz	White
VL05-04	.355	.416	.477	82 @ 40 MHz	Black
VL05-06	.396	.468	.540	78 @ 40 MHz	Brown
VL05-08	.433	.509	.585	80 @ 40 MHz	Red
VL05-10	.475	.556	.637	80 @ 40 MHz	Orange
VL05-12	.515	.604	.693	78 @ 40 MHz	Yellow
VL05-14	.583	.660	.738	80 @ 40 MHz	Green
VL05-16	.638	.720	.801	76 @ 40 MHz	Blue
VL05-18	.693	.770	.846	76 @ 40 MHz	Violet
VL05-20	.754	.814	.874	82 @ 40 MHz	Gray
VL05-22	.792	.846	.900	80 @ 40 MHz	White
VL05-24	.847	.896	.945	74 @ 40 MHz	Black



Ferrite Beads

WBC Series



Features

- Wide Band Chokes:
Standard configurations available in 1½ turns, 2½ turns, 2 X 1½ turns and 3 turns.
Custom winding configurations available upon request.
Ideal for interference suppression.
Initially resistive with flat impedance matching characteristics above 60 MHz.

Part Number	Imp. (Ω)	Test Freq.	Number of turns	Dim. A (mm)	Dim. B (mm)	Fig.#
WBC0610-115-A	425	100	1.5	6.0±0.3	10±0.5	1
WBC0610-115-B	375	100	1.5	6.0±0.3	10±0.5	1
WBC0610-120-A	600	100	2.0	6.0±0.3	10±0.5	3
WBC0610-120-B	480	100	2.0	6.0±0.3	10±0.5	3
WBC0610-125-A	675	100	2.5	6.0±0.3	10±0.5	2
WBC0610-125-B	580	100	2.5	6.0±0.3	10±0.5	2
WBC0610-215-A	425	100	2x1.5	6.0±0.3	10±0.5	4
WBC0610-215-B	350	100	2x1.5	6.0±0.3	10±0.5	4
WBC0610-130-A	625	100	3.0	6.0±0.3	10±0.5	5
WBC0610-130-B	550	100	3.0	6.0±0.3	10±0.5	5

Specifications are subject to change without notice.

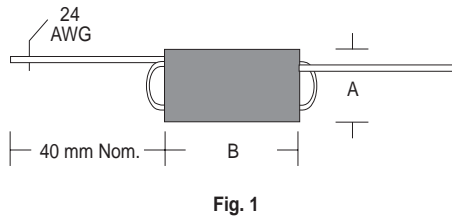


Fig. 1

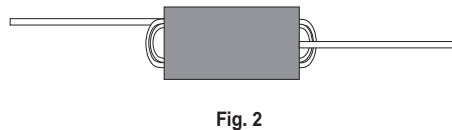


Fig. 2



Fig. 3



Fig. 4



Fig. 5

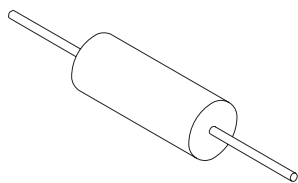
Cross Reference Guide								
Type	Imp. Ω	Turns	Freq. MHz	TSC	Fair Rite	Philips	Steward	Act
WBC	375	1.5	100	WBC0610-115B	2943666661	VK20009-3B	28C0236-OAW	WB2-1.5T
WBC	425	1.5	100	WBC0610-115A	2961666661	VK20019-4B		WB4-1.5T
WBC	480	2	100	WBC0610-120B	2943666651		28C0236-OCW	WB2-2.0T
WBC	600	2	100	WBC0610-120A	2961666651			WB4-2.0T
WBC	580	2.5	100	WBC0610-125B	2943666671	VK20010-3B	28C0236-OBW	WB2-2.5T
WBC	675	2.5	100	WBC0610-125A	2961666671	VK20020-4B		WB4-2.5T
WBC	350	2X1.5	100	WBC0610-215B	2943666681	VK20011-3B	28C0236-ODW	WB2-2X1.5T
WBC	425	2X1.5	100	WBC0610-215A	2961666681	VK20021-4B		WB4-2X1.5T
WBC	550	3	100	WBC0610-130B	2943666631		28C0236-OEW	WB2-3.0T
WBC	625	3	100	WBC0610-130A	2961666631			WB4-3.0T

NOTE: Cross reference information supplied as a guide. Use TSC Electronics, Ltd. sample for verification.



Ferrite Beads

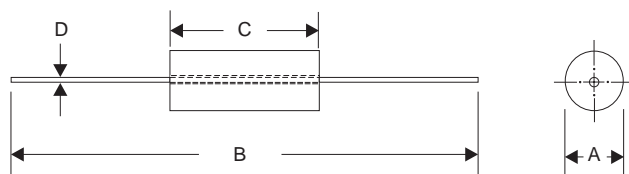
LBC Series



Features

- Leaded Bead Chokes:
 - Higher current carrying capability than surface mount devices.
 - Lowest cost component for signal filtering.

Applications include: High frequency filtering of clocks and video signals, prevents oscillations in high frequency amplifiers, and filtering power input of oscillators or logic devices using high speed clocks.



LBC Series

Part Number	Imp. (Ω)	Test Freq.	Dim. A (mm)	Dim. B (mm)	Dim. C (mm)	Dim. D
LBC035045-A	50	100	3.5±0.25	62.0±1.5	4.45±0.25	22 AWG
LBC035045-B	68	100	3.5±0.25	62.0±1.5	4.45±0.25	22 AWG
LBC035052-A	61	100	3.5±0.25	62.0±1.5	5.25±0.25	22 AWG
LBC035052-B	82	100	3.5±0.25	62.0±1.5	5.25±0.25	22 AWG
LBC035060-A	70	100	3.5±0.25	62.0±1.5	6.0±0.25	22 AWG
LBC035060-B	91	100	3.5±0.25	62.0±1.5	6.0±0.25	22 AWG
LBC035067-A	78	100	3.5±0.25	62.0±1.5	6.7±0.25	22 AWG
LBC035067-B	100	100	3.5±0.25	62.0±1.5	6.7±0.25	22 AWG
LBC035076-A	90	100	3.5±0.25	62.0±1.5	7.6±0.3	22 AWG
LBC035076-B	110	100	3.5±0.25	62.0±1.5	7.6±0.3	22 AWG
LBC035089-A	105	100	3.5±0.25	62.0±1.5	8.9±0.3	22 AWG
LBC035089-B	133	100	3.5±0.25	62.0±1.5	8.9±0.3	22 AWG
LBC035095-A	112	100	3.5±0.25	62.0±1.5	9.5±0.3	22 AWG
LBC035095-B	150	100	3.5±0.25	62.0±1.5	9.5±0.3	22 AWG
LBC035114-A	135	100	3.5±0.25	62.0±1.5	11.4±0.4	22 AWG
LBC035114-B	180	100	3.5±0.25	62.0±1.5	11.4±0.4	22 AWG
LBC035138-A	163	100	3.5±0.25	62.0±1.5	13.8±0.5	22 AWG
LBC035138-B	220	100	3.5±0.25	62.0±1.5	13.8±0.5	22 AWG

Specifications are subject to change without notice.

Cross Reference Guide

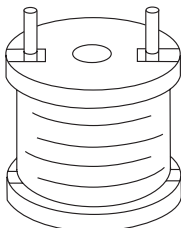
Type	Imp. Ω	Freq. MHz	TSC	Fair Rite	Steward	Act
LBC	68	100	LBC035045-B	2743001112	08L0138-100	K5A-035045
LBC	82	100	LBC035052-B	2743015112	28L0138-800	K5A-035052
LBC	91	100	LBC035060-B	2743005112	28L0138-200	K5A-035060
LBC	100	100	LBC035067-B	2743003112	28L0138-200	K5A-035067
LBC	110	100	LBC035076-B	2743004112	28L0138-900	K5A-035078
LBC	133	100	LBC035089-B	2743002112	28L0138-A00	K5A-035090
LBC	150	100	LBC035095-B	2743007112	28L0138-400	K5A-035095
LBC	180	100	LBC035114-B	2743008112	28L0138-500	K5A-035115
LBC	220	100	LBC035138-B	2743003112	28L0138-600	
LBC	50	100	LBC035045-A	2761001112	28L0138-700	
LBC	61	100	LBC035052-A	2761015112		
LBC	70	100	LBC035060-A	2761005112		
LBC	78	100	LBC035067-A	2761003112		
LBC	90	100	LBC035075-A	2761004112		
LBC	105	100	LBC035089-A	2761002112		
LBC	112	100	LBC035095-A	2761007112		
LBC	135	100	LBC035114-A	2761008112		
LBC	163	100	LBC035138-A	2761009112		

NOTE: Cross reference information supplied as a guide. Use TSC Electronics, Ltd. sample for verification.



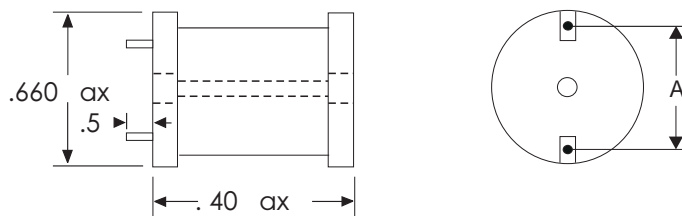
Power Line Chokes

D110 Series



General Specifications

Inductance Range: 1.0 μ H to 560 μ H
 Current Rating: Based on current flow temperature rise of 20° maximum at 80°C ambient temperature.
 Operating Temperature: -20°C to +10°C.
 Inductance Tolerance: \pm 10% over entire range.
 Terminal Strength: 5 lb. minimum

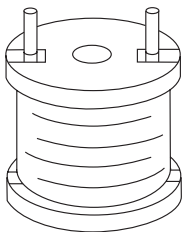


Part No.	Inductance (μ H \pm 10%)	DC Resistance Ohms Maximum	Current Saturating Amps DC	Dimension (A) (inches)
D110-1R0K	1.0	0.003	87.0	.550
D110-1R2K	1.2	0.003	68.0	.550
D110-1R5K	1.5	0.004	56.0	.550
D110-1R8K	1.8	0.004	56.0	.550
D110-2R2K	2.2	0.004	47.0	.550
D110-2R7K	2.7	0.005	47.0	.550
D110-3R3K	3.3	0.005	40.0	.550
D110-3R9K	3.9	0.006	36.0	.550
D110-4R7K	4.7	0.007	32.0	.550
D110-5R6K	5.6	0.007	29.0	.550
D110-6R8K	6.8	0.007	26.0	.550
D110-8R2K	8.2	0.008	24.5	.550
D110-100K	10.0	0.009	21.2	.550
D110-120K	12.0	0.010	19.0	.550
D110-150K	15.0	0.011	17.5	.550
D110-180K	18.0	0.015	16.5	.550
D110-220K	22.0	0.020	15.8	.550
D110-270K	27.0	0.030	14.4	.550
D110-330K	33.0	0.040	13.2	.406
D110-390K	39.0	0.046	11.8	.469
D110-470K	47.0	0.062	11.0	.469
D110-560K	56.0	0.069	10.0	.485
D110-680K	68.0	0.077	8.9	.500
D110-820K	82.0	0.083	8.2	.500
D110-101K	100.0	0.095	7.5	.500
D110-121K	120.0	0.127	5.8	.480
D110-151K	150.0	0.181	5.6	.480
D110-181K	180.0	0.217	5.1	.480
D110-221K	220.0	0.240	4.3	.480
D110-271K	270.0	0.300	4.1	.480
D110-331K	330.0	0.336	3.8	.480
D110-391K	390.0	0.460	3.3	.480
D110-471K	470.0	0.636	3.2	.450
D110-561K	560.0	0.696	2.9	.450



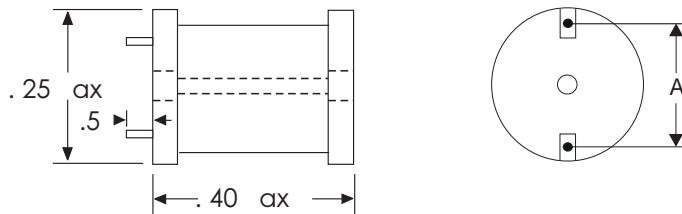
Power Line Chokes

D120 Series



General Specifications

Inductance Range: 1.0 μH to 2,200 μH
 Current Rating: Based on current flow temperature rise of 20° maximum at 80°C ambient temperature.
 Operating Temperature: -20°C to +10°C.
 Inductance Tolerance: $\pm 10\%$ over entire range.
 Terminal Strength: 5 lb. minimum

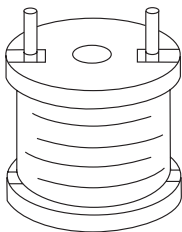


Part No.	Inductance ($\mu\text{H} \pm 10\%$)	DC Resistance Ohms Maximum	Current Saturating Amps DC	Dimension (A) (inches)
D120-1R0K	1.0	0.003	108.0	0.620
D120-1R2K	1.2	0.003	108.0	0.620
D120-1R5K	1.5	0.003	83.0	0.620
D120-1R8K	1.8	0.003	68.0	0.620
D120-2R2K	2.2	0.004	68.0	0.620
D120-2R7K	2.7	0.005	58.0	0.620
D120-3R3K	3.3	0.005	58.0	0.620
D120-3R9K	3.9	0.005	50.0	0.620
D120-4R7K	4.7	0.005	50.0	0.620
D120-5R6K	5.6	0.006	44.0	0.620
D120-6R8K	6.8	0.007	39.0	0.620
D120-8R2K	8.2	0.007	36.0	0.620
D120-100K	10.0	0.009	30.0	0.620
D120-120K	12.0	0.009	27.0	0.620
D120-150K	15.0	0.013	25.0	0.625
D120-180K	18.0	0.018	22.0	0.630
D120-220K	22.0	0.019	21.0	0.630
D120-270K	27.0	0.026	20.5	0.546
D120-330K	33.0	0.029	18.6	0.546
D120-390K	39.0	0.030	17.0	0.594
D120-470K	47.0	0.035	15.1	0.625
D120-560K	56.0	0.039	13.6	0.625
D120-680K	68.0	0.053	12.7	0.656
D120-820K	82.0	0.060	11.3	0.656
D120-101K	100.0	0.080	10.4	0.593
D120-121K	120.0	0.090	9.4	0.593
D120-151K	150.0	0.098	8.6	0.593
D120-181K	180.0	0.110	7.8	0.671
D120-221K	220.0	0.150	7.0	0.593
D120-271K	270.0	0.213	6.3	0.562
D120-331K	330.0	0.305	5.2	0.590
D120-391K	390.0	0.320	4.9	0.590
D120-471K	470.0	0.355	4.5	0.590
D120-561K	560.0	0.388	4.1	0.590
D120-681K	680.0	0.430	3.7	0.590
D120-821K	820.0	0.590	3.4	0.590
D120-102K	1000.0	0.818	3.1	0.590
D120-122K	1200.0	1.410	2.7	0.590
D120-152K	1500.0	1.260	2.4	0.590
D120-182K	1800.0	1.390	2.2	0.590
D120-222K	2200.0	1.540	2.0	0.590



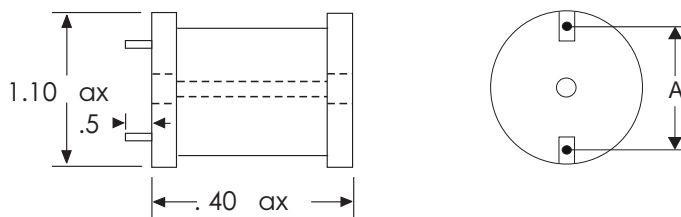
Power Line Chokes

D130 Series



General Specifications

Inductance Range: 1.0 μH to 2,700 μH
 Current Rating: Based on current flow temperature rise of 20° maximum at 80°C ambient temperature.
 Operating Temperature: -20°C to +10°C.
 Inductance Tolerance: $\pm 10\%$ over entire range.
 Terminal Strength: 5 lb. minimum

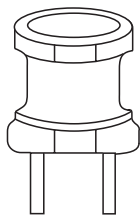


Part No.	Inductance ($\mu\text{H} \pm 10\%$)	DC Resistance Ohms Maximum	Current Saturating Amps DC	Dimension (A) (inches)
D130-1R0K	1.0	0.003	116.0	0.800
D130-1R2K	1.2	0.003	116.0	0.800
D130-1R5K	1.5	0.003	116.0	0.800
D130-1R8K	1.8	0.003	90.0	0.800
D130-2R2K	2.2	0.003	90.0	0.800
D130-2R7K	2.7	0.003	74.0	0.800
D130-3R3K	3.3	0.003	74.0	0.800
D130-3R9K	3.9	0.003	62.0	0.800
D130-4R7K	4.7	0.003	54.0	0.800
D130-5R6K	5.6	0.003	54.0	0.800
D130-6R8K	6.8	0.004	47.0	0.800
D130-8R2K	8.2	0.004	42.0	0.800
D130-100K	10.0	0.006	38.0	0.700
D130-120K	12.0	0.008	35.0	0.690
D130-150K	15.0	0.009	32.0	0.690
D130-180K	18.0	0.010	29.0	0.690
D130-220K	22.0	0.011	25.0	0.790
D130-270K	27.0	0.012	23.0	0.790
D130-330K	33.0	0.017	20.0	0.790
D130-390K	39.0	0.022	19.0	0.790
D130-470K	47.0	0.024	19.1	0.750
D130-560K	56.0	0.026	17.5	0.750
D130-680K	68.0	0.029	15.6	0.750
D130-820K	82.0	0.032	14.0	0.750
D130-101K	100.0	0.034	13.2	0.781
D130-121K	120.0	0.046	12.1	0.750
D130-151K	150.0	0.064	10.8	0.781
D130-181K	180.0	0.072	9.7	0.781
D130-221K	220.0	0.080	8.7	0.750
D130-271K	270.0	0.110	7.9	0.812
D130-331K	330.0	0.122	7.1	0.750
D130-391K	390.0	0.169	6.7	0.750
D130-471K	470.0	0.187	6.0	0.750
D130-561K	560.0	0.205	5.5	0.750
D130-681K	680.0	0.256	5.0	0.718
D130-821K	820.0	0.288	4.5	0.843
D130-102K	1000.0	0.426	4.1	0.750
D130-122K	1200.0	0.462	3.7	0.750
D130-152K	1500.0	0.518	3.4	0.750
D130-182K	1800.0	0.705	2.8	0.770
D130-222K	2200.0	1.020	2.5	0.770
D130-272K	2700.0	1.140	2.3	0.770



Fixed Inductors

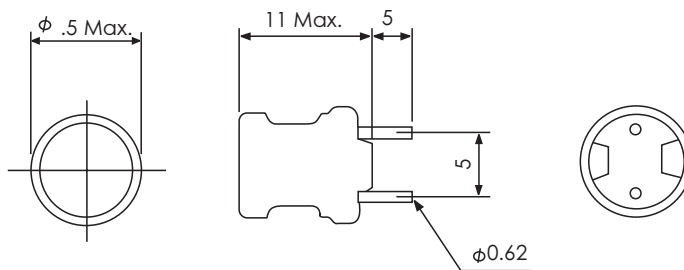
D210 Series



Frequency Range: 10-1200kHz
 Inductance Range: 1.0-1000μH
 Temperature Coefficient: 400ppm/C, max.

Features: Ideal as a choke coil for noise filtering and DC/DC Converter application.
 Tape and reel for automated Assembly.

- (1) Q and Inductance are measured by Q meter YHP-4343B equivalent.
- (2) The rated DC current is that which the inductance value decreases 10% by the excitation DC current, measured at 1kHz by Precision LCR meter 4284A(hp) or equivalent.
- (3) SRF is measured by Network Analyzer 3577A(hp), MS560J(Anristu) or equivalent.
- (4) DC Resistance is measured by Digital Multimeter TR6871(Advantest) or equivalent.
- (5) SRF is for Reference Only.

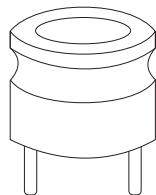


Part Number	Inductance(1)	Qu(1) (min.)	Test Frequency of L, Qu (Mhz)	DC Resistance(4) (Ω) max.	Rated DC Current(2)	Selt Resonant Frequency(3)(5) (MHz) min.
D210-1R0M=R	1.0±20%	20	7.96	0.013	10	150
D210-1R5M=R	1.5±20%	20	7.96	0.016	8.5	130
D210-2R2M=R	2.2±20%	20	7.96	0.021	6.5	100
D210-3R3M=R	3.3±20%	20	7.96	0.025	5.5	79
D210-4R7M=R	4.7±20%	20	7.96	0.030	4.3	51
D210-6R8M=R	6.8±20%	20	7.96	0.035	3.7	29
D210-100K=R	10±10%	50	2.52	0.045	3.0	14
D210-120K=R	12±10%	50	2.52	0.050	2.6	13
D210-150K=R	15±10%	50	2.52	0.056	2.3	12
D210-180K=R	18±10%	40	2.52	0.061	2.2	11
D210-220K=R	22±10%	40	2.52	0.070	2.0	9.2
D210-270K=R	27±10%	40	2.52	0.080	1.7	8.5
D210-330K=R	33±10%	30	2.52	0.090	1.6	7.8
D210-390K=R	39±10%	30	2.52	0.10	1.5	6.9
D210-470K=R	47±10%	30	2.52	0.12	1.4	6.5
D210-560K=R	56±10%	30	2.52	0.18	1.3	5.4
D210-680K=R	68±10%	30	2.52	0.21	1.2	4.9
D210-820K=R	82±10%	30	2.52	0.23	1.1	4.1
D210-101K=R	100±10%	20	0.796	0.28	0.91	3.7
D210-121K=R	120±10%	20	0.796	0.32	0.84	3.4
D210-151K=R	150±10%	20	0.796	0.37	0.75	3.2
D210-181K=R	180±10%	20	0.796	0.58	0.69	2.8
D210-221K=R	220±10%	20	0.796	0.65	0.64	2.7
D210-271K=R	270±10%	20	0.796	0.75	0.57	2.4
D210-331K=R	330±10%	20	0.796	0.85	0.54	2.3
D210-391K=R	390±10%	20	0.796	1.0	0.48	2.1
D210-471K=R	470±10%	20	0.796	1.1	0.46	1.9
D210-561K=R	560±10%	20	0.796	1.4	0.41	1.8
D210-681K=R	680±10%	20	0.796	1.6	0.38	1.6
D210-821K=R	820±10%	20	0.796	1.8	0.35	1.5
D210-102K=R	1000±10%	50	0.252	2.9	0.29	1.3



Fixed Inductors

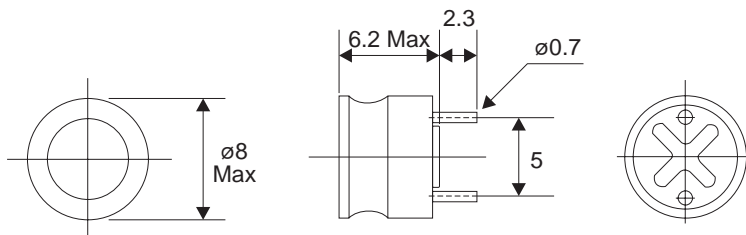
D220 Series



Frequency Range: 10-1200kHz
 Inductance Range: 0.1-15mH
 Temperature Coefficient: 400ppm/°C, max.

Features: Ideal as a choke coil or trap coil for low profile equipment.
 Entire winding core is encapsulated in heat-shrunk plastic housing to provide mechanical and environmental protection.

- (1) Add the tolerance code of Inductance to within the () of the Part Number as follows: J=±5%, K=±10%.
- (2) Q and Inductance are measured by Q meter YHP-4343B or equivalent.
- (3) The rated DC current is that which the inductance value decreases 10% by the excitation DC current, measured at 1kHz by universal bridge or equivalent.
- (4) Self resonant frequency is for reference only.



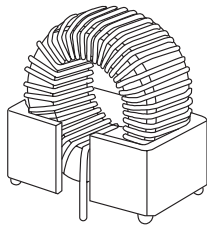
(Unit: mm)

Part Number	Inductance(2) (mH)	Q(2) (min.)	Test Frequency (kHz)	DC Resistance (Ω) max.	Rated DC Current(3) (mA) max.	Self Resonant Frequency(4) (MHz) min.
D220-101K	0.10	60	796	2.0	200	6.1
D220-121K	0.12	60	796	3.0	200	5.5
D220-151K	0.15	60	796	3.0	200	5.0
D220-181K	0.18	60	796	3.0	200	4.7
D220-221K	0.22	60	796	3.0	150	4.5
D220-271K	0.27	60	796	3.0	150	4.1
D220-331K	0.33	60	796	4.0	150	3.8
D220-391K	0.39	60	796	4.0	100	3.5
D220-471K	0.47	60	796	5.0	100	3.2
D220-561K	0.56	60	796	6.0	100	2.9
D220-681K	0.68	60	796	6.0	100	2.7
D220-821K	0.82	60	796	7.0	50	2.3
D220-102K	1.00	80	252	9.0	50	2.1
D220-122K	1.20	80	252	9.0	50	1.9
D220-152K	1.50	80	252	11.0	50	1.8
D220-182K	1.80	80	252	12.0	50	1.6
D220-222K	2.20	80	252	14.0	50	1.5
D220-272K	2.70	80	252	15.0	50	1.4
D220-332K	3.30	80	252	25.0	40	0.9
D220-392K	3.90	80	252	30.0	40	0.9
D220-472K	4.70	80	252	32.0	40	0.8
D220-562K	5.60	80	252	36.0	30	0.7
D220-682K	6.80	80	252	40.0	30	0.7
D220-882K	8.20	80	252	45.0	30	0.6
D220-103()	10.00	60	079.6	55.0	20	0.6
D220-123()	12.00	60	079.6	65.0	20	0.5
D220-153()	15.00	60	079.6	80.0	20	0.5



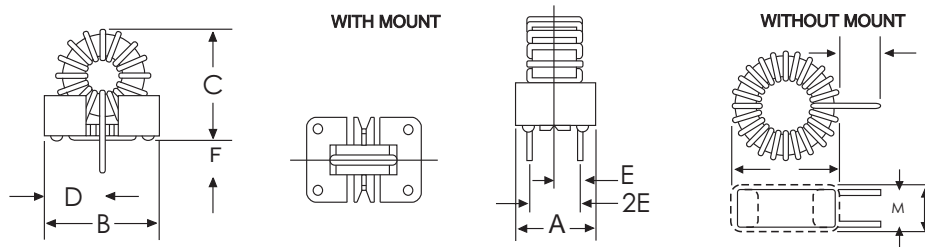
Toroids

T110 Series



GENERAL CHARACTERISTICS

- Characterized for general purpose uses and Ripple Filters
- Single layer designs
- Can be used as Differential Mode Inductors in EMI Filters
- Mounting package available upon request



WITHOUT MOUNT DIMENSIONS (INCHES/MM)

SIZE CODE	A	B	C	D	E	F	G	H
P MAX	$\frac{.50}{12, 70}$	$\frac{.64}{16, 25}$	$\frac{.79}{20, 06}$	$\frac{1.00}{25, 40}$	$\frac{1.23}{31, 24}$	$\frac{1.50}{38, 10}$	$\frac{.78}{19, 81}$	$\frac{.61}{15, 49}$
N MAX	$\frac{.22}{5, 58}$	$\frac{.32}{8, 12}$	$\frac{.32}{8, 12}$	$\frac{.49}{12, 44}$	$\frac{.56}{14, 22}$	$\frac{.62}{15, 74}$	$\frac{.29}{7, 36}$	$\frac{.26}{6, 60}$
L=±.125-.025	$\frac{0.375}{9, 53}$	$\frac{0.375}{9, 53}$	$\frac{0.375}{9, 53}$	$\frac{0.375}{9, 53}$	$\frac{.0875}{22, 23}$	$\frac{.0875}{22, 23}$	$\frac{.075}{19, 05}$	$\frac{.075}{19, 05}$

WITH MOUNT DIMENSIONS (INCHES)

STANDARD PACKAGE	A	B	C	D	E	F
	NOMINAL ±0.005		NOMINAL	TYPICAL		
1	0.340	0.578	0.60	0.29	0.110	0.110
2	0.450	0.648	0.65	0.325	0.150	0.110
3	0.450	0.828	0.85	0.415	0.150	0.110
4	0.600	0.948	0.95	0.475	0.225	0.110
5	0.700	1.248	1.25	0.625	0.250	0.110

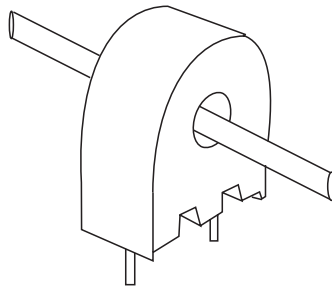
ELECTRICAL CHARACTERISTICS AT 25° Celsius

REFERENCE OPERATING VALUES					DESIGN CONTROL VALUES						
Part Number	Mount Option	L Typical (u Hy) (1)	Idc (Amps)	E _{Top} (V-uSec)	L No D.C. ±20%-12%	1000Hz Test Volts No D.C.	Coil Size Code	Mount Package	Lead Dia. In. ±0.003	Min. Energy Storage (uJ)	DC Resistance Ohms Maximum(Ω)
T110-01		20	2.0	52	32.8	0.0034	H		0.020	40	.06
T110-02	M	25	2.5	30	20.7	0.0023	A	1	0.020	75	.04
T110-03	M	50	2.5	50	45.7	0.0047	B	2	0.020	150	.07
T110-04	M	100	2.5	90	94.1	0.0094	C	3	0.020	300	.10
T110-05	M	35	2.5	55	28.4	0.0037	B	2	0.025	110	.04
T110-06	M	70	3.0	85	61.0	0.0076	C	3	0.025	300	.05
T110-07	M	145	3.0	140	141.8	0.015	D	4	0.025	650	.09
T110-08	M	285	3.0	300	264.1	0.035	E	5	0.025	1275	.14
T110-09		450	3.0	425	436.3	0.053	F		0.025	2000	.20
T110-10	M	100	3.5	130	90.7	0.012	D	4	0.032	600	.04
T110-11	M	165	4.0	240	152.0	0.027	E	5	0.032	1300	.07
T110-12		270	4.0	350	263.9	0.041	F		0.032	2150	.10
T110-13	M	40	4.0	70	37.9	0.006	C	3	0.032	300	.03
T110-14		12	5.0	44	20.3	0.0038	G		0.032	150	.03
T110-15	M	100	5.0	200	90.7	0.021	E	5	0.042	1250	.04
T110-16		170	5.0	300	159.7	0.032	F		0.042	2100	.05
T110-17	M	55	5.0	100	54.9	0.009	D	4	0.042	650	.02
T110-18		95	7.0	225	96.0	0.025	F		0.051	2300	.03
T110-19	M	55	7.0	150	49.1	0.015	E	5	0.051	1300	.02
T110-20		55	10.0	175	55.9	0.019	F		0.064	2750	.02



Current Sensors

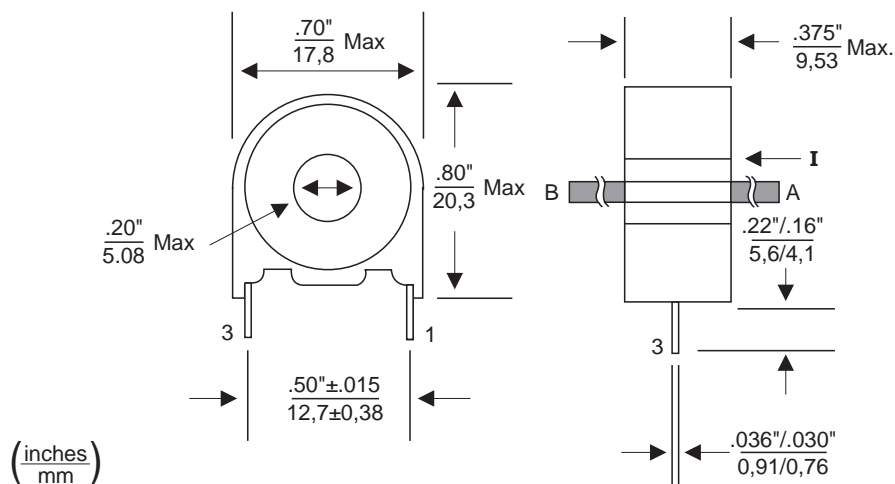
T310 Series



General Specifications

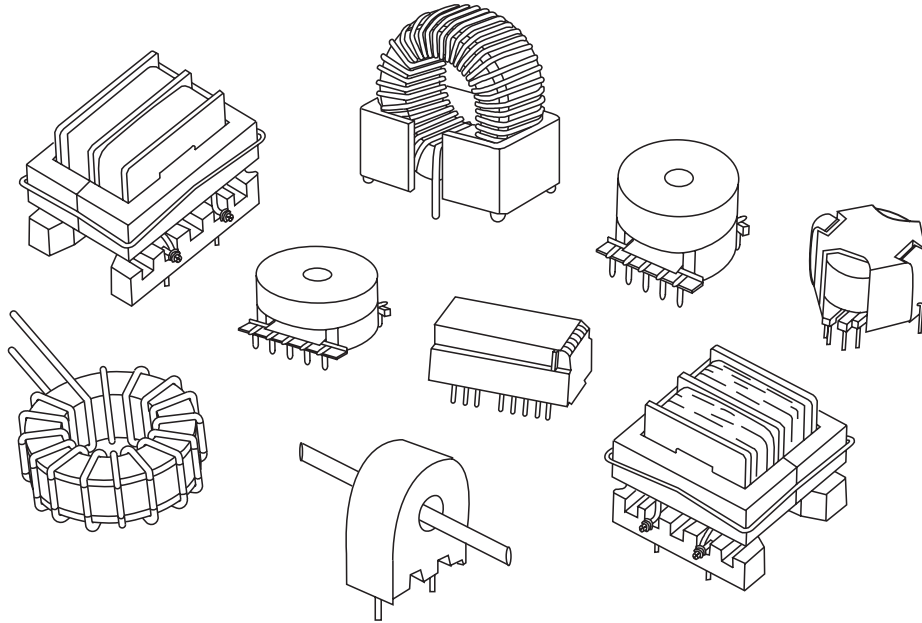
PART NUMBER	TURNS	INDUCTANCE (mH)	SENSED CURRENT	SENSITIVITY		TERMINATING RESISTOR (Ω)*
				VOLTS	AMPS	
T310-1050	50	5	10	1	1	50
T310-1100	100	20	24	1	1	100
T310-1200	200	100	35	1	1	200
T310-1750	750	1125	30	1	1	750

* Varying terminating resistance will increase or decrease output voltage/Ampere in conductor. Effect is essentially linear over a restricted operating range. Frequency response is also affected by varying terminating resistance.





Custom Capabilities



CUSTOM MAGNETIC PRODUCTS

If you need something other than standard products, TSC has the capabilities to design and build to your requirements:

Styles: Toroidal, E Core, RM Core, Pot Core, Laminated, Air Core, Slug Core...

Types: EMI Filter Beads, Power Inductors, Coupling Transformers, Pulse Transformers, Hybrid Transformers, Switching Magnetics, High Voltage Transformers, Converter Transformers...

Packaging: Surfacemount, Low Profile, PC Mount, Leadset, Flying Leads...

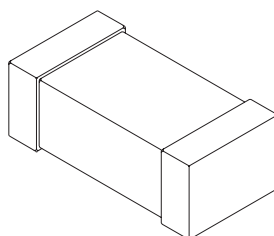
Please contact us and let us serve your Magnetic needs.

Tel: (310) 534-2738
Fax: (310) 534-3216
email: engineering@tscgroup.com.

SRO-T-CAPAC-IP-IC-M-ERC



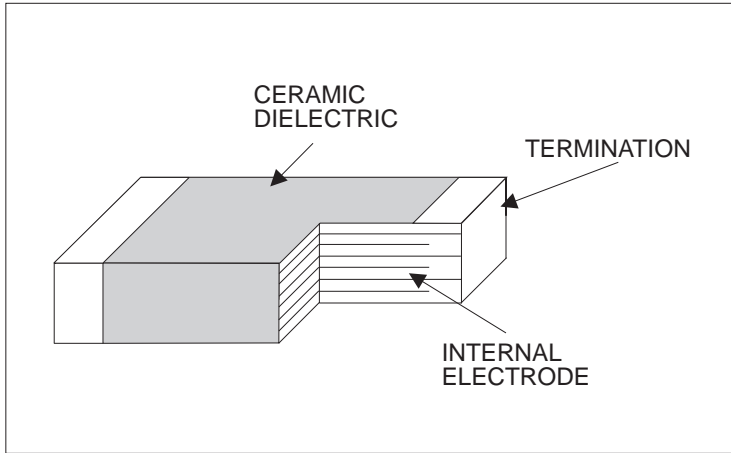
Ceramic Chip Capacitors



Description	Series	Capacitance Range	Circuit	Page
Ceramic Capacitors	NPO Series	10 pF ~ 0.01 uF		2-4
	Z5U Series	1K pF ~ 1 uF		2-6
	X7R Series	390 pF ~ 0.47 uF		2-8
	Axial-Leaded Epoxy • Coated	10 pF ~ 0.47 uF		2-10
	Radial-Leaded Epoxy • Dipped	10 pF ~ 2 uF		2-14



Ceramic Chip Capacitors - NPO & COG Dielectric



Application

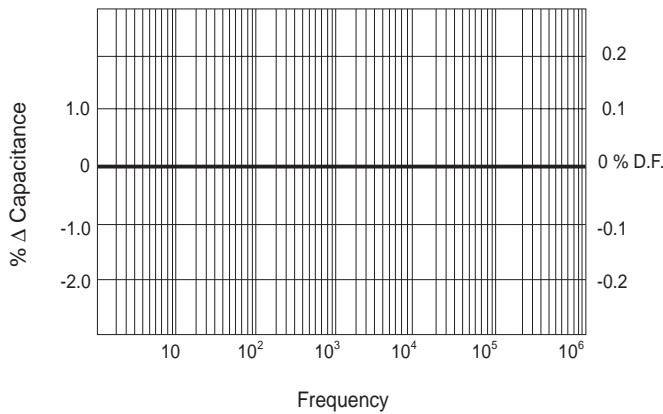
NPO (COG) dielectric properties suited for precision circuits, requiring stable dielectric characteristics:

- * Negligible dependence of capacitance and dissipation factor on time, voltage, and frequency
- * Low-loss (High Q)
- * Predictable linear temperature coefficient
- * No Piezoelectric behavior

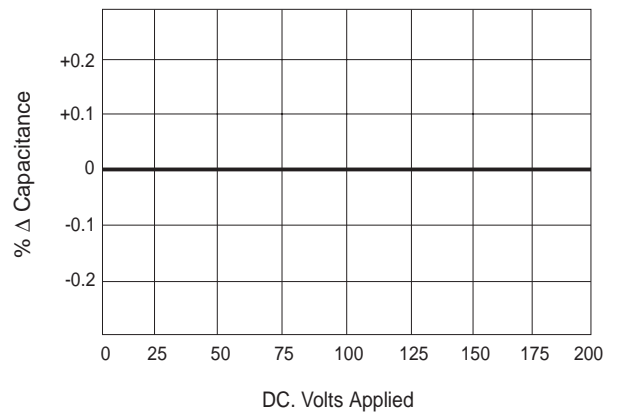
General Specification

- Operating temperature range -55°C ~ +125°C
- Capacitance Range: 10pF ~ 0.01uF
- Capacitance Tolerance: ±0.25pF, ±0.5pF, ±5%, ±10%
- Voltage Ratings, 50VDC, 100VDC, 200VDC
- Dissipation Factor (1 KHz, or MHz, 1 Vrms, 25°C) 0.15% Max
- Insulation Resistance (rated voltage applied at 25°C) 100,000 megohms or 1,000 Ohm-Farads min.
- Dielectric strength > 2.5X WV. DC.

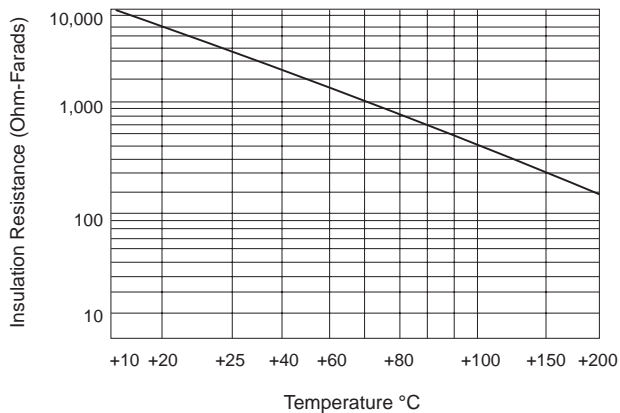
Δ C, D.F. vs. Frequency Coefficient



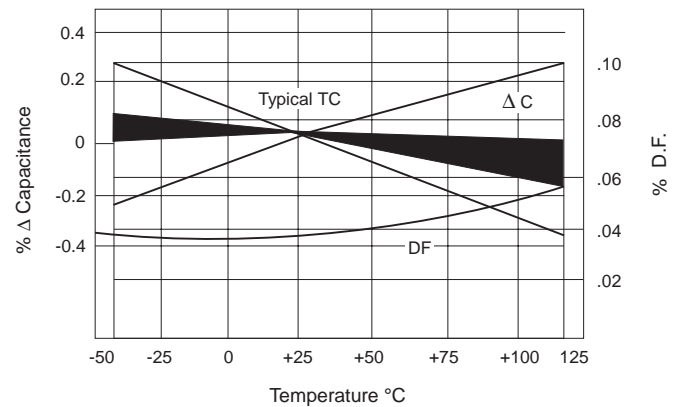
Δ C, vs. Voltage Coefficient



Insulation Resistance vs. Temp



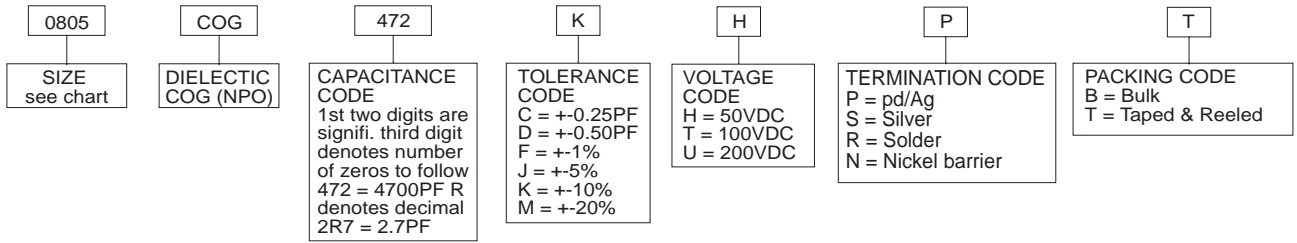
Δ C, D.F. vs. Temperature Coefficient





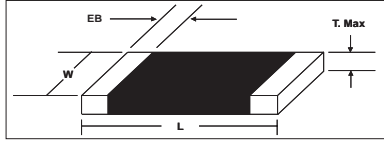
Ceramic Chip Capacitors - NPO & COG Dielectric

Part Number System



SIZES AND VALUES AVAILABLE

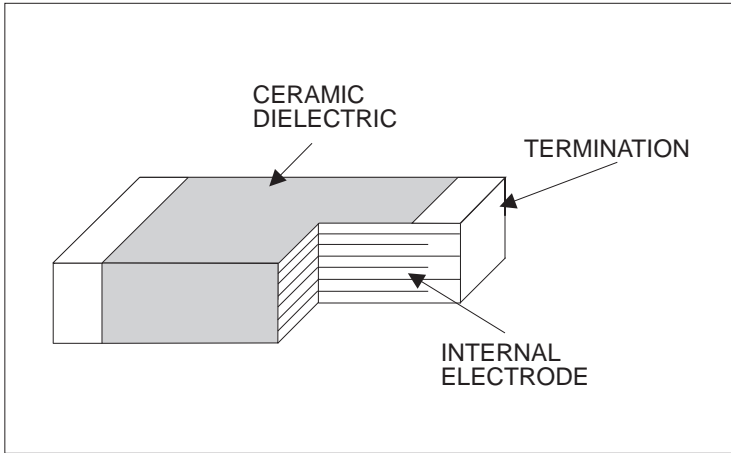
1:1 STYLE		0805			1206			1210			1805			1808			1812			2220			
* L (mm, in)	2.0	0.080	3.2	0.126	3.2	0.126	4.5	0.177	4.5	0.177	4.5	0.177	4.5	0.177	5.6	0.220							
* W (mm, in)	1.25	0.050	1.6	0.063	2.5	0.098	1.25	0.05	2.0	0.079	3.2	0.126	5.0	0.197									
T Max (mm, in)	1.25	0.050	1.25	0.050	1.5	0.060	1.25	0.050	1.5	0.060	1.9	0.075	2.0	0.079									
EB Min (mm, in)	0.2	0.008	0.3	0.012	0.3	0.012	0.3	0.012	0.3	0.012	0.3	0.012	0.3	0.012									
CAP. (PF)	Tol.	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)		
		50	100	200	50	100	200	50	100	200	50	100	200	50	100	200	50	100	200	50	100	200	
10	J.K.	↓	↓	↓																			
12	J.K.	↓	↓	↓																			
15	J.K.	↓	↓	↓																			
18	J.K.	↓	↓	↓	↓	↓	↓																
22	J.K.	↓	↓	↓	↓	↓	↓	↓															
27	J.K.	↓	↓	↓	↓	↓	↓	↓	↓														
33	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓													
39	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓												
47	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓											
58	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓										
68	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓									
82	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓								
100	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓							
120	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓						
150	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓					
180	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓				
220	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓			
270	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		
330	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	
390	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
470	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
560	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
680	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
820	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
1,000	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
1,200	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
1,500	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
1,800	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
2,200	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
2,700	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
3,300	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
3,900	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
4,700	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
5,600	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
6,800	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
8,200	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓
10,000	J.K.	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓



T W



Ceramic Chip Capacitors - Z5U & Y5V Dielectric



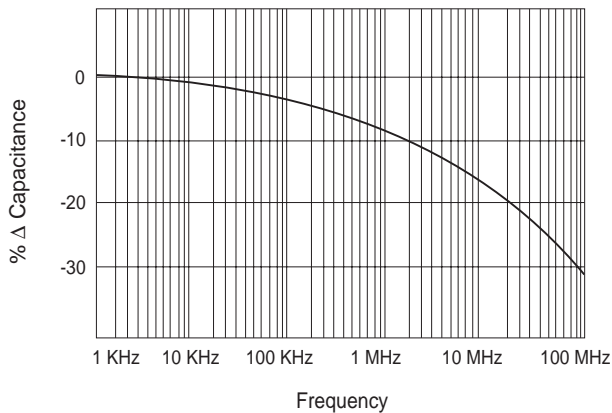
Application

The Hi-K (Z5U, Y5V) dielectrics deliver high capacitance density and are ideally suited for applications where space is at a premium, or as replacement for tantalum capacitors. Typical applications include use as by-pass or decoupling elements. Best performance is obtained at or near room Temperature, with low D.C. bias (<25 VDCW).

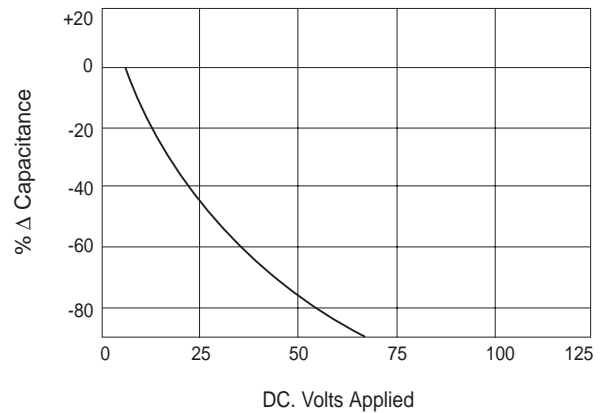
General Specification

- Operating temperature range -30°C ~ +85°C
- Capacitance Range: 1000pF ~ 1.0uF
- Capacitance Tolerance: ±20%, -20%, +80%
- Voltage Ratings, 25VDC, 50VDC, 100VDC (0603 Size: 16VDC, 50VDC, 100VDC)
- Dissipation Factor (1 KHz 0.5Vrms, 25 °C) 5% Max
- Insulation Resistance (rated voltage applied at 25°C) 10,000 megohms or 500 Ohm-Farads min
- Dielectric strength > 2.5X WV. DC.

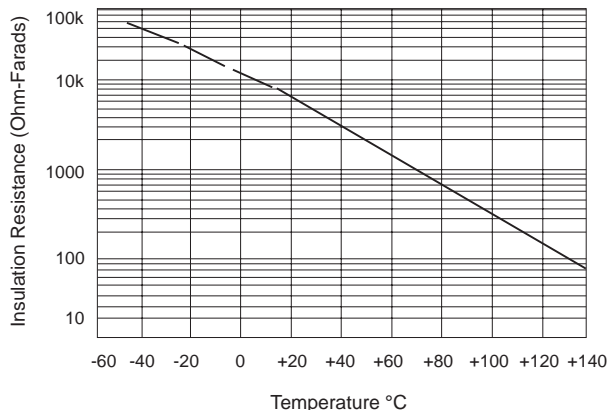
Δ C. vs. Frequency Coefficient



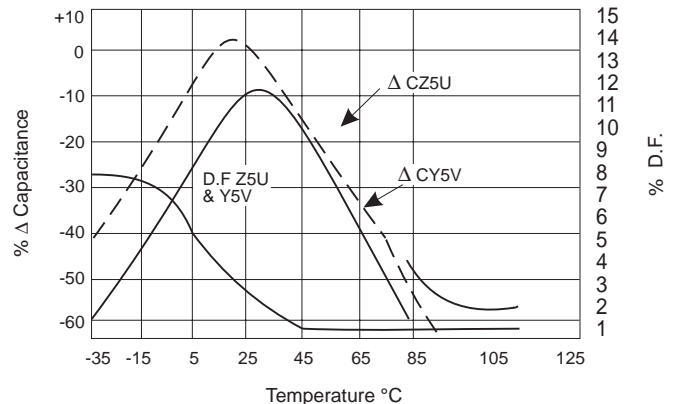
Δ C, vs. Voltage Coefficient



Insulation Resistance vs. Temp.



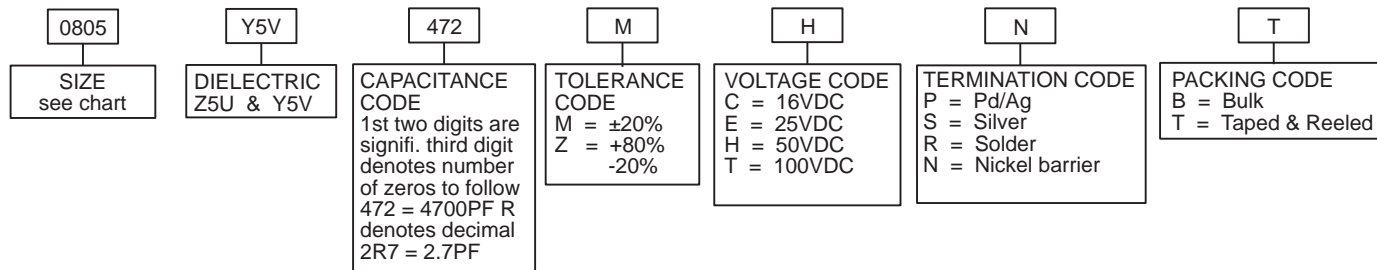
Δ C,D.F. vs. Temperature Coefficient





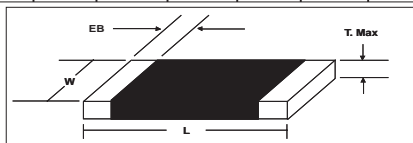
Ceramic Chip Capacitors - Z5U & Y5V Dielectric

Part Number System



SIZES AND VALUES AVAILABLE

1:1 STYLE		0603		0805		1206		1210		1812		2220						
* L (mm,in)		1.6	0.063	2.0	0.080	3.2	0.126	3.2	0.126	4.5	0.177	5.6	0.220					
* W (mm,in)		0.8	0.031	1.25	0.050	1.6	0.063	2.5	0.098	3.2	0.126	5.0	0.197					
T Max(mm,in)		0.9	0.035	1.25	0.050	1.25	0.050	1.5	0.060	1.9	0.075	2.0	0.079					
EB MIN(mm,in)		0.2	0.008	0.2	0.008	0.3	0.012	0.3	0.012	0.3	0.012	0.3	0.012					
CAP.(PF)	Tol.	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)
		16	25	50	25	50	100	25	50	100	25	50	100	25	50	100	25	50
390	M.Z.																	
470	M.Z.																	
560	M.Z.																	
680	M.Z.																	
820	M.Z.																	
1,000																		
1,200	M.Z.																	
1,500	M.Z.																	
1,800	M.Z.																	
2,200	M.Z.																	
2,700	M.Z.																	
3,300	M.Z.																	
3,900	M.Z.																	
4,700	M.Z.																	
5,600	M.Z.																	
6,800	M.Z.																	
10,000	M.Z.																	
15,000	M.Z.																	
22,000	M.Z.																	
33,000	M.Z.																	
47,000	M.Z.																	
68,000	M.Z.																	
100,000	M.Z.																	
150,000	M.Z.																	
220,000	M.Z.																	
330,000	M.Z.																	
470,000	M.Z.																	
680,000	M.Z.																	
1,000,000	M.Z.																	

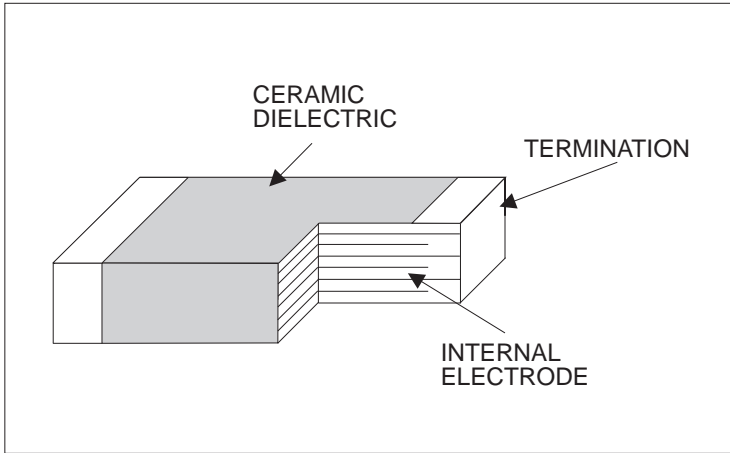


* Tolerance +-0.01", 7% Whichever is greater

Gray for Z5U, Y5V Values Available
Black for Y5V



Ceramic Chip Capacitors • X7R & BX Dielectric



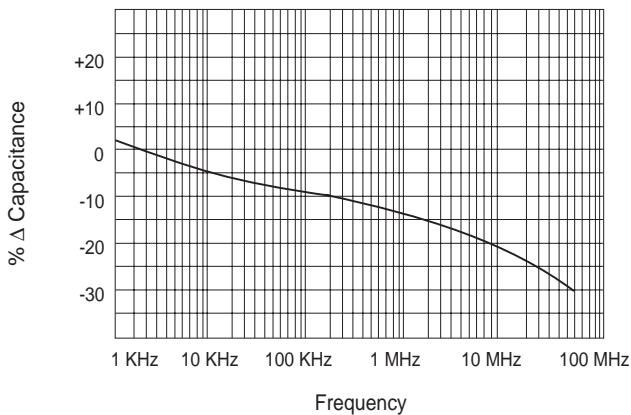
Application

X7R & BX dielectric properties; suited for by-pass and coupling purposes, filtering, frequency discrimination, DC blockage, and as voltage transient suppression elements.

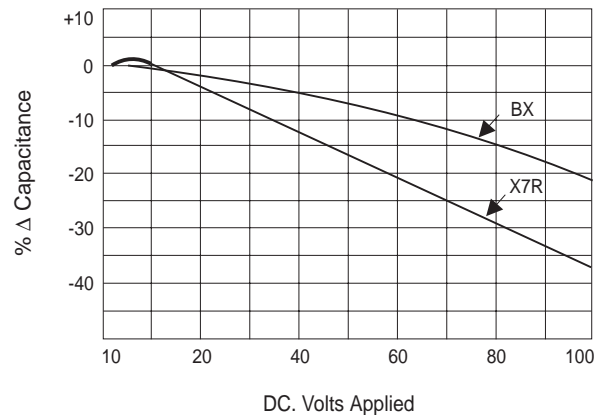
General Specification

- Operating temperature range -55°C ~ +125°C
- Capacitance Range: 390pF ~ 0.47uF
- Capacitance Tolerance: ±5%, ±10%, ±20%
- Voltage Ratings, 50VDC, 100VDC, 200VDC
- Dissipation Factor (1 KHz, 1.0 Vrms, 25°C) 2.5% Max
- Insulation Resistance (rated Voltage applied at 25°C) 100,000 megohms or 1,000 Ohm-Farads min
- Dielectric strength > 2.5X WV. DC.

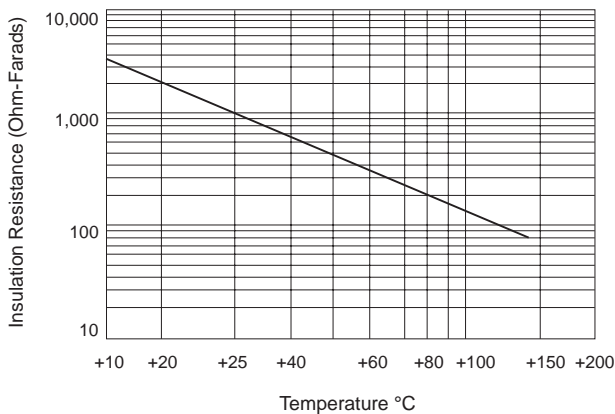
ΔC . vs. Frequency Coefficient



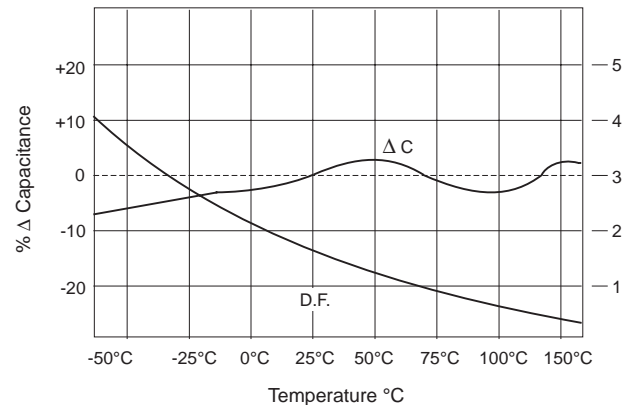
ΔC , vs. Voltage Coefficient



Insulation Resistance vs. Temp



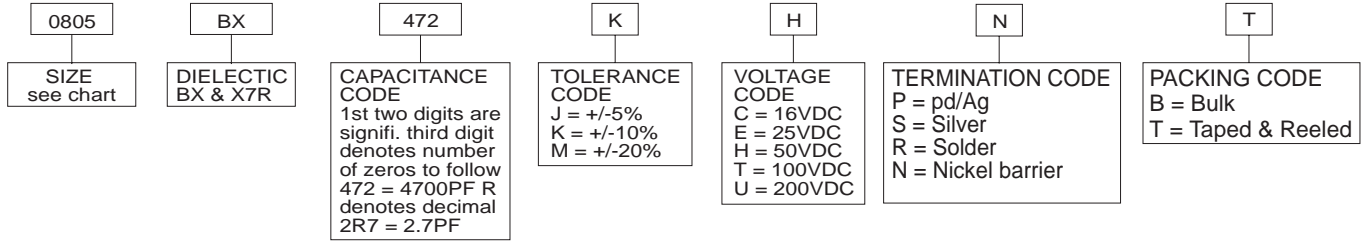
$\Delta C, D.F.$ vs. Temperature Coefficient





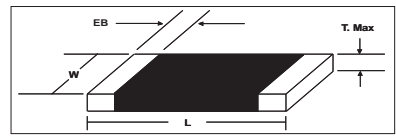
Ceramic Chip Capacitors · X7R & BX Dielectric

Part Number System



SIZES AND VALUES AVAILABLE

1:1 STYLE		0603			0805			1206			1210			1812			2220		
* L (mm, in)		1.6	0.063		2.0	0.080		3.2	0.126		3.2	0.126		4.5	0.177		5.6	0.220	
* W(mm, in)		0.8	0.031		1.25	0.050		1.6	0.063		2.5	0.098		3.2	0.126		5.0	0.197	
T Max(mm, in)		0.9	0.035		1.25	0.050		1.25	0.050		1.5	0.060		1.9	0.075		2.0	0.079	
EB Min(mm, in)		0.2	0.008		0.2	0.008		0.3	0.012		0.3	0.012		0.3	0.012		0.3	0.012	
CAP. (PF)	Tol.	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)	WV (DC)
		16	25	50	50	100	200	50	100	200	50	100	200	50	100	200	50	100	200
390	K.M																		
470	K.M																		
560	K.M																		
680	K.M																		
820	K.M																		
1,000	K.M																		
1,200	K.M																		
1,500	K.M																		
1,800	K.M																		
2,200	K.M																		
2,700	K.M																		
3,300	K.M																		
3,900	K.M																		
4,700	K.M																		
5,600	K.M																		
6,800	K.M																		
8,200	K.M																		
10,000	K.M																		
12,000	K.M																		
15,000	K.M																		
18,000	K.M																		
22,000	K.M																		
27,000	K.M																		
33,000	K.M																		
39,000	K.M																		
47,000	K.M																		
56,000	K.M																		
68,000	K.M																		
82,000	K.M																		
100,000	K.M																		
120,000	K.M																		
150,000	K.M																		
180,000	K.M																		
220,000	K.M																		
270,000	K.M																		
330,000	K.M																		
390,000	K.M																		
470,000	K.M																		

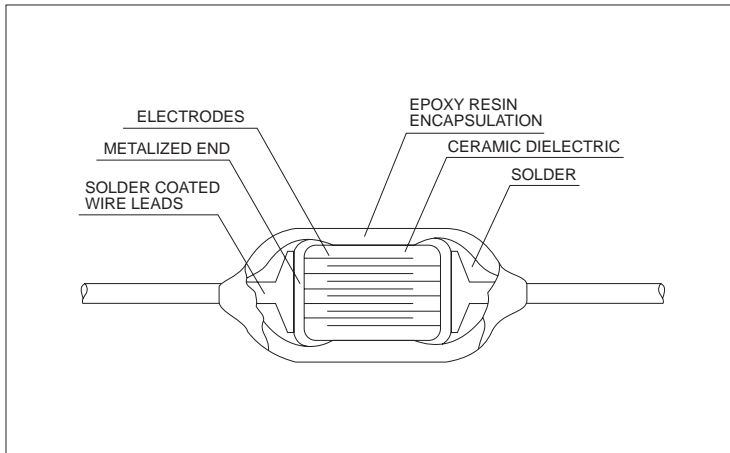


* Tolerance +/-0.01", 7% Whichever is greater



Multilayer Ceramic Capacitors

Axial-Leaded, Epoxy • Coated



Introduction

T.S.C. Axial-Leaded Epoxy coated multilayer ceramic chip capacitors are manufactured with modern proven technology exchanged with a U.S. based manufacturer. The process features a high degree of mechanization, operating under precise control while using the highest quality material. A continuous quality assurance program is also maintained to ensure consistent high quality capacitors. T.S.C. capacitors feature superior humidity characteristics, longer life, lower inductance.

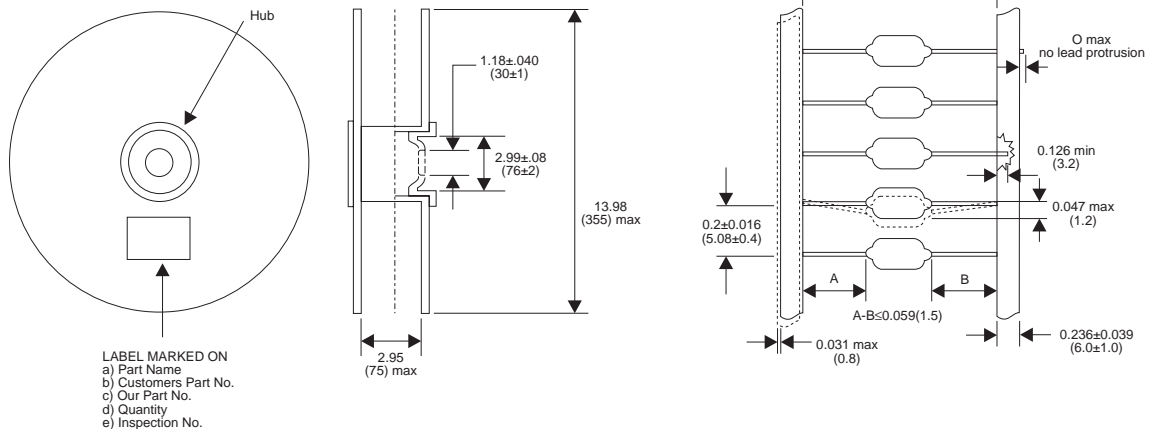
Features

- Wide capacitance, T.C., voltage and tolerance range
- Industry standard sizes
- Tape and Reel available for auto-insertion
- Marking standard or to customer specification

General Specifications

Code Dielectric EIA	COG	X7R	Z5U/Y5V
Temperature Characteristics	0±30ppm/°C, C>20 pF 0+120ppm/°C, C≤20pF -40	DC±15% maximum over -55°C to +125°C	DC+22%, -56 maximum over +10°C to +85°C
Category (Operating) Temperature Range	-55°C to +125°C	-55°C to +125°C	-25°C to +85°C
Measuring Conditions for Capacitance and D.F.	1MHz, 1 Vrms, C≤1000pF 1KHz, 1 Vrms, C>1000pF	1KHz, 1 Vrms	1KHz, 0.5 Vrms
Dissipation Factor (D.F.) and Tangent of Loss Angle (tan ∞)	≤0.15%	≤2.5%	≤4.0%
Insulation Resistance (I.R.) after 60 secs charging at rated Voltage 25°C	≥100 Gohms or ≤1,000 MΩ • μF whichever is less	≥100 Gohms or ≤1,000 MΩ • μF whichever is less	≥100 Gohms or ≤1,000 MΩ • μF whichever is less
Voltage Proof, 25°C	2.5xRated Voltage	2.5xRated Voltage	2.5xRated Voltage
Capacitance Aging	0	=1.5% per decade hour	=5% per decade hour

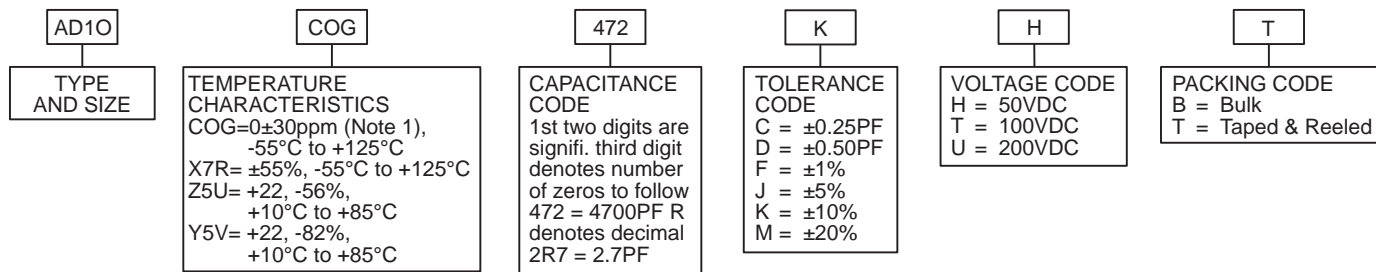
Tape & Reel Dimensions: in.(mm)



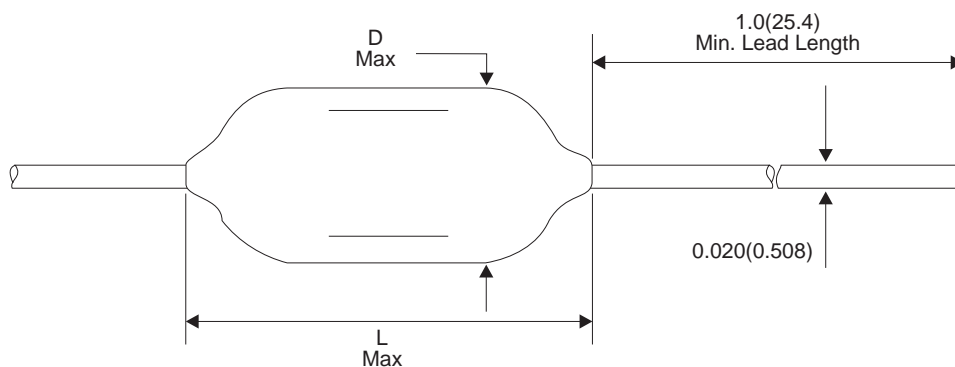


Multilayer Ceramic Capacitors

Part Number System



Dimensions Inches (Millimeters)



EIA Characteristics	Dimensions: Inches (Millimeters)		
Type and Size	AD10	AD20	AD30
Length L	.170 (4.32)	.260 (6.60)	.290 (7.37)
Diameter D	.100 (2.54)	.100 (2.54)	.150 (3.81)

Marking

- Capacitance are marked in 3 digits for capacitance above 100PF, and marked in actual value for capacitance 100PF and below
- Capacitance tolerance are marked in code symbol.
- Temperature Characteristics: **C=COG, X=X7R, Z=Z5U, Y=Y5V**

SIZE CODE	Capacitance	Tolerance	Rated Voltage	Temp. Char.
AD 10	0	-----	-----	-----
AD 20	0	0	0	-----
AD 30	0	0	0	0



Multilayer Ceramic Capacitors

Capacitance Range

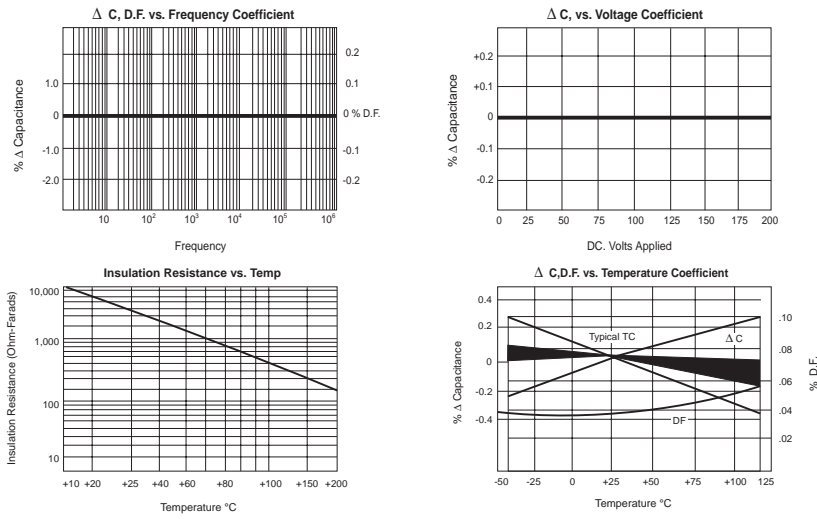
Dielectric Code		COG						X7R						 Z5U Z5U Y5V Y5V							
Size Code		AD10		AD20		AD30		AD10		AD20		AD30		AD10		AD20		AD30			
W V.DC		50	100	50	100	50	100	50	100	50	100	50	100	50	100	25	50	25	50	25	50
Cap																					
10	100																				
12	120																				
15	150																				
18	180																				
22	220																				
27	270																				
33	330																				
39	390																				
47	470																				
56	560																				
68	680																				
82	820																				
100	101																				
120	121																				
150	151																				
180	181																				
220	221																				
270	271																				
330	331																				
390	391																				
470	471																				
560	561																				
680	681																				
820	821																				
1000	102																				
1200	122																				
1500	152																				
1800	182																				
2200	222																				
2700	272																				
3300	332																				
3900	392																				
4700	472																				
5600	562																				
6800	682																				
8200	822																				
.01	103																				
.012	123																				
.015	153																				
.018	183																				
.022	223																				
.027	273																				
.033	333																				
.047	473																				
.056	563																				
.068	683																				
.082	823																				
.1	104																				
.12	124																				
.15	154																				
.18	184																				
.22	224																				
.27	274																				
.33	334																				
.39	394																				
.47	474																				



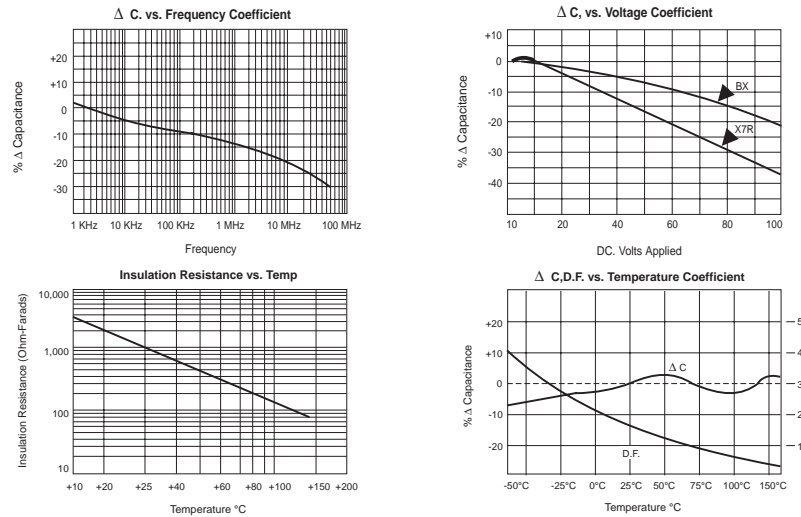
Multilayer Ceramic Capacitors

Dielectric Characteristics

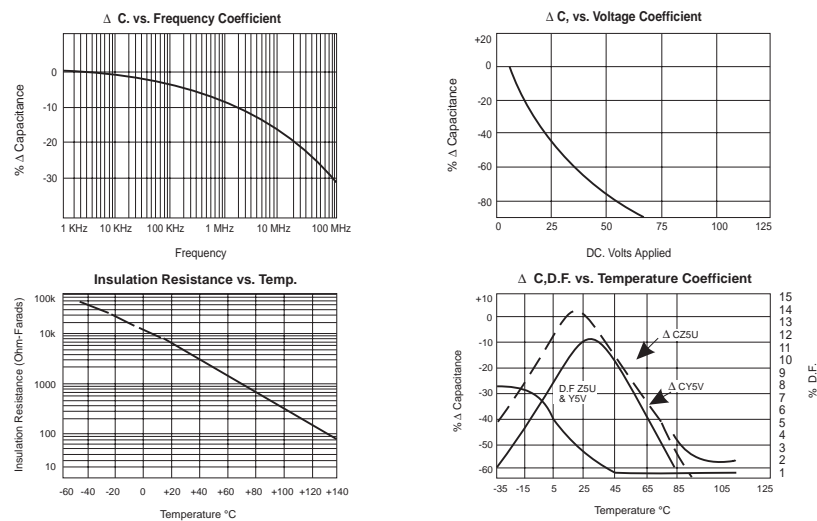
NPO/COG



BX/X7R



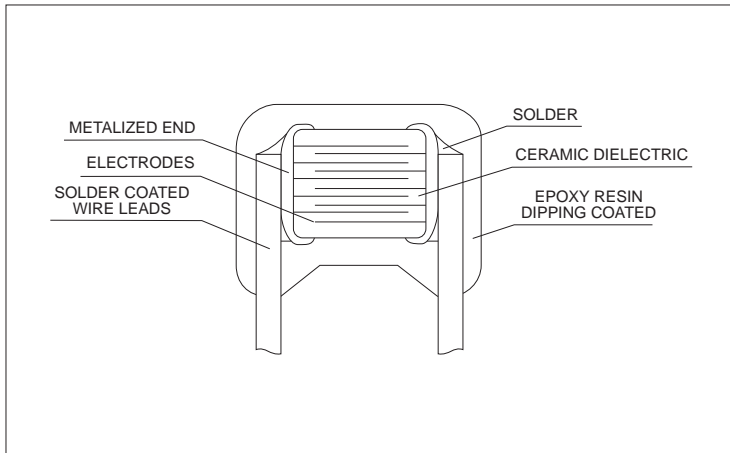
Z5U/Y5V





Multilayer Ceramic Capacitors

Radial-Leaded, Epoxy • Dipped



Introduction

T.S.C. Axial-Leaded Epoxy coated multilayer ceramic chip capacitors are manufactured with modern proven technology exchanged with a U.S. based manufacturer. The process features a high degree of mechanization, operating under precise control while using the highest quality material. A continuous quality assurance program is also maintained to ensure consistent high quality capacitors. T.S.C. capacitors feature superior humidity characteristics, longer life, lower inductance.

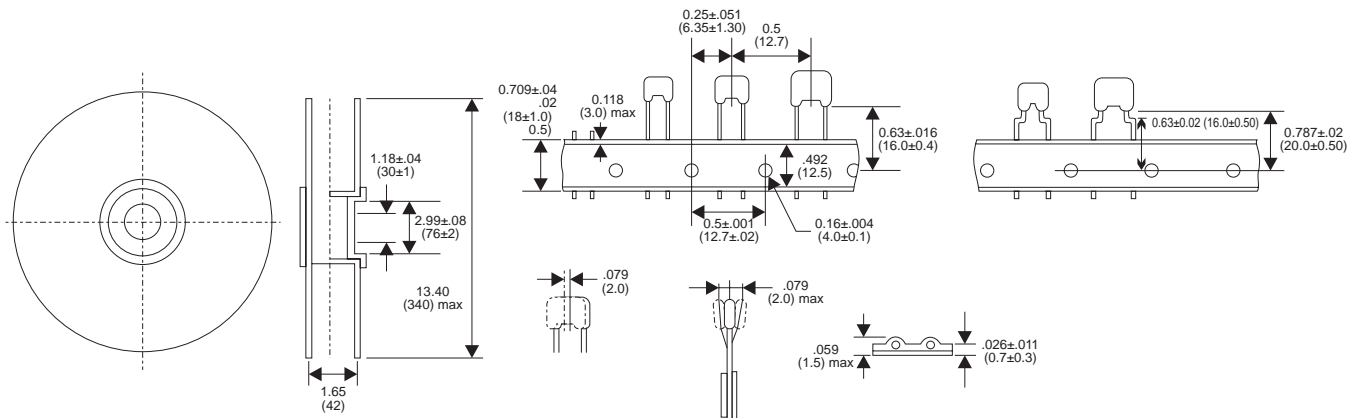
Features

- Wide capacitance, T.C., voltage and tolerance range
- Industry standard sizes
- Tape and Reel available for auto-insertion
- Marking standard or to customer specification

General Specifications

Code Dielectric EIA	COG	X7R	Z5U/Y5V
Temperature Characteristics	0±30ppm/°C, C>20 pF 0+120ppm/°C, C≤20pF -40	Δ C±15% maximum over -55°C to +125°C	Δ C+22%, -56 maximum over +10°C to +85°C
Category (Operating) Temperature Range	-55°C to +125°C	-55°C to +125°C	-25°C to +85°C
Measuring Conditions for Capacitance and D.F.	1MHz, 1 Vrms, C≤1000pF 1KHz, 1 Vrms, C>1000pF	1KHz, 1 Vrms	1KHz, 0.5 Vrms
Dissipation Factor (D.F.) and Tangent of Loss Angle (tan ∞)	≤0.15%	≤2.5%	≤4.0%
Insulation Resistance (I.R.) after 60 secs charging at rated Voltage 25°C	≥100 Gohms or ≤1,000 MΩ • μF whichever is less	≥100 Gohms or ≤1,000 MΩ • μF whichever is less	≥100 Gohms or ≤1,000 MΩ • μF whichever is less
Voltage Proof, 25°C	2.5xRated Voltage	2.5xRated Voltage	2.5xRated Voltage
Capacitance Aging	0	=1.5% per decade hour	=5% per decade hour

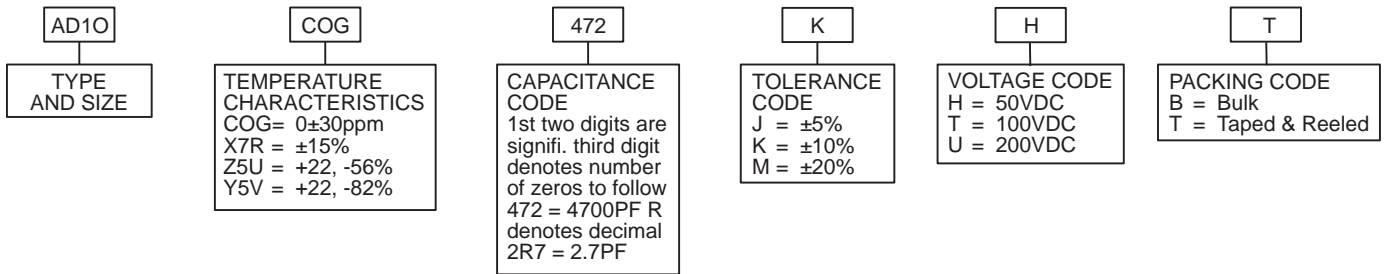
Tape & Reel Dimensions: in.(mm)



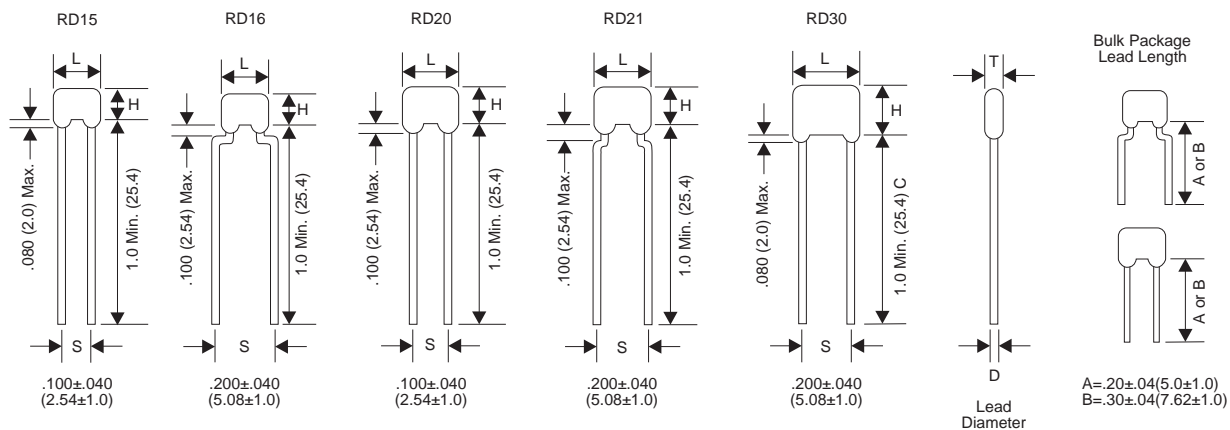


Multilayer Ceramic Capacitors

Part Number System



Type and Size Dimensions Inches (Millimeters)



Size

Style	L max	H max	T max	S max	D
RD 15	.150" (3.81)	.150" (3.81)	.100" (2.54)	.100" (2.54)	.020" (0.508)
RD 16	.150" (3.81)	.150" (3.81)	.100" (2.54)	.200" (5.08)	.020" (0.508)
RD 20	.200" (5.08)	.200" (5.08)	.125" (3.18)	.100" (2.54)	.020" (0.508)
RD 21	.200" (5.08)	.200" (5.08)	.125" (3.18)	.200" (5.08)	.020" (0.508)
RD 30	.300" (7.62)	.300" (7.62)	.150" (3.81)	.200" (5.08)	.020" (0.508)

Marking

- Capacitance are marked in 3 digits for capacitance above 100PF, and marked in actual value for capacitance 100PF and below
- Capacitance tolerance are marked in code symbol.
- Temperature Characteristics: **C=COG, X=X7R, Z=Z5U, Y=Y5V**

SIZE CODE	Capacitance	Tolerance	Rated Voltage	Temp. Char.
RD15, RD16, RD18	0	-----	-----	-----
RD20, RD21, RD23	0	0	0	-----
RD30	0	0	0	0



Multilayer Ceramic Capacitors

Capacitance Range

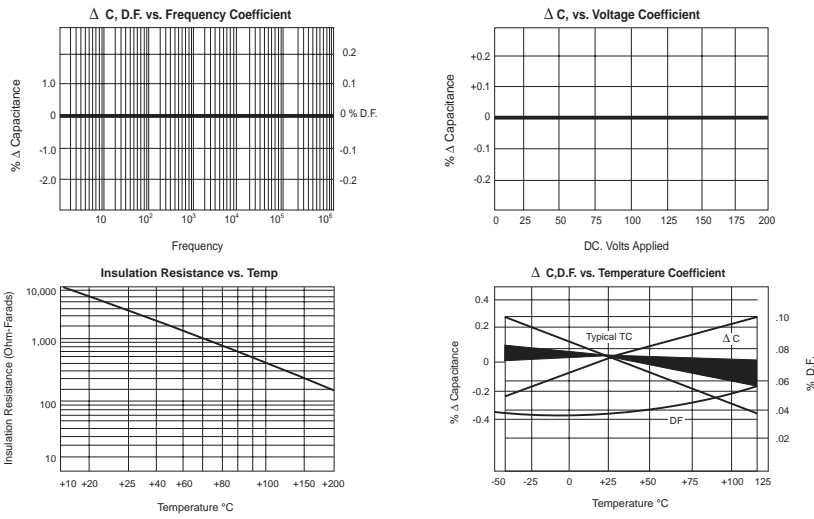
Dielectric Code		COG						X7R						Z5U		Z5U Y5V		Y5V	
Size Code		RD15	RD16	RD20	RD21	RD30		RD15	RD16	RD20	RD21	RD30		RD15	RD16	RD20	RD21	RD30	
Cap	W V.DC	50	100	50	100	50	100	50	100	50	100	50	100	25	50	25	50	25	50
10	100																		
12	120																		
15	150																		
18	180																		
22	220																		
27	270																		
33	330																		
39	390																		
47	470																		
56	560																		
68	680																		
82	820																		
100	101																		
120	121																		
150	151																		
180	181																		
220	221																		
270	271																		
330	331																		
390	391																		
470	471																		
560	561																		
680	681																		
820	821																		
1000	102																		
1200	122																		
1500	152																		
1800	182																		
2200	222																		
2700	272																		
3300	332																		
3900	392																		
4700	472																		
5600	562																		
6800	682																		
8200	822																		
.01	103																		
.012	123																		
.015	153																		
.018	183																		
.022	223																		
.027	273																		
.033	333																		
.047	473																		
.056	563																		
.068	683																		
.082	823																		
.1	104																		
.12	124																		
.15	154																		
.18	184																		
.22	224																		
.27	274																		
.33	334																		
.39	394																		
.47	474																		
.56	564																		
.68	684																		
.82	824																		
1.0	105																		
1.2	125																		
1.5	155																		
2.0	205																		



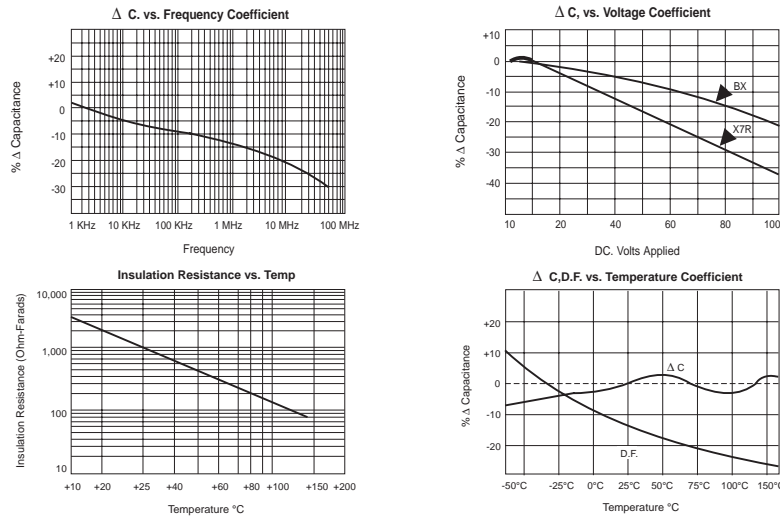
Multilayer Ceramic Capacitors

Dielectric Characteristics

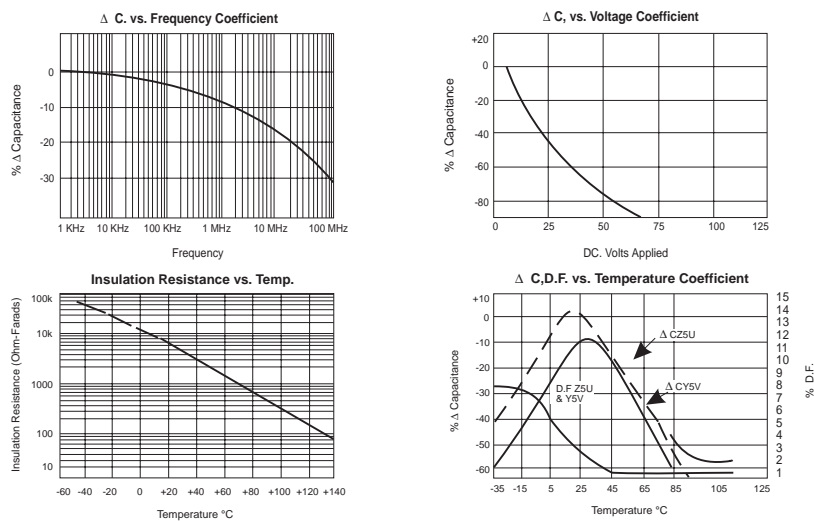
NPO/COG



BX/X7R



Z5U/Y5V



FILM

STROTH-CAPAC



Film Capacitor Product Selector Guide

DESCRIPTION	TSC TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	RATED VOLTAGE	PAGE
Metallized Polyester	M102	Radial Box	0.001 To 22.0	±1% To ±20%	63, 100, 250, 400, 630, 1000 (VDC)	3-6 to 3-15
	M104	Radial Epoxy Dip	0.001 To 22.0	±1% To ±20%		
	M106	Axial Oval Wrap & Fill	0.001 To 22.0	±1% To ±20%		
	M108	Axial Round Wrap & Fill	0.001 To 22.0	±1% To ±20%		
Polyester Film & Foil	M202	Radial Box	0.0001 To 1.0	±1% To ±20%	100, 160, 250, 400, 630, 1000 (VDC)	3-16 to 3-25
	M204	Radial Epoxy Dip	0.0001 To 1.0	±1% To ±20%		
	M206	Axial Oval Wrap & Fill	0.001 To 2.2	±1% To ±20%		
	M208	Axial Round Wrap & Fill	0.0001 To 2.2	±1% To ±20%		
AC Metallized Polyester	M302	Radial Box	0.01 To 4.7	±5% To ±20%	125, 240, 360, 480 (VAC)	3-26 to 3-31
	M304	Radial Epoxy Dip	0.01 To 10.0	±5% To ±20%		
	M306	Axial Oval Wrap & Fill	0.01 To 10.0	±5% To ±20%		
	M308	Axial Round Wrap & Fill	0.01 To 10.0	±5% To ±20%		
Series Wound Metallized Polyester	M402	Radial Box	0.001 To 1.0	±5% To ±20%	630, 1000, 1600, 2000 (VDC)	3-32 to 3-37
	M404	Radial Epoxy Dip	0.001 To 1.0	±5% To ±20%		
	M406	Axial Oval Wrap & Fill	0.001 To 2.2	±5% To ±20%		
	M408	Axial Round Wrap & Fill	0.001 To 2.2	±5% To ±20%		
Miniature Metallized Polyester	M502	Radial Box	0.01 To 22.0	±1% To ±20%	63, 100, 250, 400, 630 (VDC)	3-38 to 3-47
	M504	Radial Epoxy Dip	0.001 To 22.0	±1% To ±20%		
	M506	Axial Oval Wrap & Fill	0.01 To 50.0	±1% To ±20%		
	M508	Axial Round Wrap & Fill	0.01 To 50.0	±1% To ±20%		
Low ESR Metallized Polyester	M606	Axial Oval Wrap & Fill	1.0 To 4.7	±5% To ±20%	250, 400 (VDC)	3-48 to 3-49
Metallized Polycarbonate	C102	Radial Box	0.001 To 22.0	±1% To ±20%	63, 100, 250, 400, 630 (VDC)	3-50 to 3-59
	C104	Radial Epoxy Dip	0.001 To 22.0	±1% To ±20%		
	C106	Axial Oval Wrap & Fill	0.001 To 22.0	±1% To ±20%		
	C108	Axial Round Wrap & Fill	0.001 To 22.0	±1% To ±20%		
Polycarbonate Film & Foil	C202	Radial Box	0.0001 To 1.0	±1% To ±20%	100, 160, 250, 400, 630 (VDC)	3-60 to 3-69
	C204	Radial Epoxy Dip	0.001 To 1.0	±1% To ±20%		
	C206	Axial Oval Wrap & Fill	0.001 To 2.2	±1% To ±20%		
	C208	Axial Round Wrap & Fill	0.0001 To 2.2	±1% To ±20%		
Metallized Polypropylene	P102	Radial Box	0.001 To 10.0	±1% To ±20%	160, 250, 400, 630 (VDC)	3-70 to 3-79
	P104	Radial Epoxy Dip	0.001 To 10.0	±1% To ±20%		
	P106	Axial Oval Wrap & Fill	0.001 To 22.0	±1% To ±20%		
	P108	Axial Round Wrap & Fill	0.001 To 22.0	±1% To ±20%		
Polypropylene Film & Foil	P202	Radial Box	0.0001 To 1.0	±1% To ±20%	100, 160, 250, 400, 630, 1000 (VDC)	3-80 to 3-89
	P204	Radial Epoxy Dip	0.0001 To 1.0	±1% To ±20%		
	P206	Axial Oval Wrap & Fill	0.001 To 2.2	±1% To ±20%		
	P208	Axial Round Wrap & Fill	0.0001 To 1.0	±1% To ±20%		
AC Metallized Polypropylene	P302	Radial Box	0.01 To 4.7	±5% To ±20%	250, 300, 480, 600 (VAC)	3-90 to 3-95
	P304	Radial Epoxy Dip	0.01 To 4.7	±5% To ±20%		
	P306	Axial Oval Wrap & Fill	0.01 To 22.0	±5% To ±20%		
	P308	Axial Round Wrap & Fill	0.01 To 22.0	±5% To ±20%		
Series Wound Metallized Polypropylene	P402	Radial Box	0.001 To 0.47	±2% To ±20%	630V / 400VAC, 1000V / 500VAC, 1600V / 600VAC, 2000V / 650VAC	3-96 to 3-101
	P404	Radial Epoxy Dip	0.001 To 0.47	±2% To ±20%		
	P406	Axial Oval Wrap & Fill	0.001 To 1.0	±2% To ±20%		
	P408	Axial Round Wrap & Fill	0.001 To 1.0	±2% To ±20%		
Series Wound Polypropylene Film & Foil	P502	Radial Box	0.0001 To 0.22	±1% To ±20%	400V / 250VAC, 630V / 300VAC, 1000V / 400VAC, 1600V / 500VAC, 2000V / 600VAC	3-102 to 3-107
	P504	Radial Epoxy Dip	0.0001 To 0.47	±1% To ±20%		
	P506	Axial Oval Wrap & Fill	0.001 To 0.47	±1% To ±20%		
	P508	Axial Round Wrap & Fill	0.0001 To 0.47	±1% To ±20%		
Low ESR Metallized Polypropylene	P606	Axial Oval Wrap & Fill	1.0 To 30.0	±5% To ±20%	100, 200, 400 (VDC)	3-108 to 3-111
	P608	Axial Round Wrap & Fill	1.0 To 30.0	±5% To ±20%		
High Current Metallized Polypropylene	P702	Radial Box	0.01 To 2.2	±5% To ±20%	160, 250, 400, 630 (VDC)	3-112 to 3-117
	P704	Radial Epoxy Dip	0.01 To 4.7	±5% To ±20%		
	P706	Axial Oval Wrap & Fill	0.01 To 10.0	±5% To ±20%		
	P708	Axial Round Wrap & Fill	0.01 To 10.0	±5% To ±20%		
Polystyrene Film & Foil	S102	Radial Box	0.0001 To 0.47	±0.5% To ±20%	100, 250, 400, 630 (VDC)	3-118 to 3-123
	S104	Axial Oval Wrap & Fill	0.001 To 1.0	±0.5% To ±20%		
	S108	Axial Round Wrap & Fill	0.0001 To 1.0	±0.5% To ±20%		



Film Capacitor Cross Reference

TSC	ARCOTRONICS	ASC	BISHOP	CDE	ELECTRO- CUBE	ELECTRONIC CONCEPTS	ELPAC	EVOX / RIFA	ILLINOIS CAPACITOR	IMB
TYPE										
M102	MKT R.60, R.84	X678	A32		232A	ME43	MD-R,ZD-R	MMK		JP2,XP2,ZP2
M104		X603		DMM			MEF	MMW	MSR	
M106		X667	A11, A41	MMP	230C,230B	ME22	MD-A,ZD-A		MWF	JA2,XA2,ZA2
M108	MKT A.50	X668	A21	MMWA	230D	ME12	MD-B,ZD-R		MWR	JA1,XA1,ZA1
M202			B32			ET43	MD-R			MP2
M204		603		DMT					FFR	
M206		663F	B11	MFP	250B	ET22	MD-A			MA2
M208		663	B21	WMF, WMC	250D	ET22	MD-B			MA1
M302										
M304		X605		DMMA						
M306		X637		MMA						
M308		X640								
M402										
M404										
M406										
M408										
M502	MKT R.60, 60		A32				Z-R			
M504				DME					MSS	
M506		X663F	A11, A41		230C,230B	ME22	Z-A			XA2, JA2
M508		X665	A21	MTE	230D	ME12	Z-B		MWM	XA1, JA1
M606		X661								
C102		X428	C32		652A	MC43	C-R,B-R	CMK		DP2,RP2,BP2
C104										
C106		X467	C11, C41		650B,650C	MC22	C-A,B-A			DA2,RA2,BA2
C108		X463, X465	C21	MCR, MTC	650D	MC12	C-B,B-B		MCW	DA1,RA1,BA1
C202							K-R			
C204										
C206							K-A			
C208				WCR			K-B			KA2
P102	MKP R.71	X378	H32		912A	MP43	P-R	PMR, PHE420		GP2
P104		X304		DPM					MPR	
P106		X362	H11		935B	MP22	P-A			GA2
P108	MKP A.48, A.70	X363	H21	930, 931	935D	MP12	P-B,PMB		MPW	GA1
P202	KP R.73		F32		952A	PT43				LP2
P204		315		DPP						
P206		356	F11		950B	PT22				LA2
P208	KP A.45, A.72		F21	WPP	950D	PT12				LA1
P302	MKP R.74									
P304				MPA						
P306										
P308				950						
P402	MKP R.76,R.77							PSR,PHE428,431		
P404				DPMF						
P406										
P408	MKP 1.44/2									
P502	KP R.73									
P504		315		DPPS,DPPM						
P506					950B					
P508	KP A.72			WPP	950D					
P606		X333F								
P608	MKP 1.44/2 SW	X335		935		5MP12	PSB		MPH, MPL	
S102	KS P.36						PD-R	PFE216		
S104					410B		PR-A			PA2
S108	KS P.39	863			410D	ST12	PD-B			PA1



Film Capacitor Cross Reference

TSC	NICHICON	PAKTRON	PANASONIC	ROEDERSTEIN	SEACOR	SPRAGUE	TECATE	THOMSON	WESCO	WIMA
TYPE								CSF		
M102		RB		MKT1822	MMKR,MMKS	450P		BT	60MM	MKS4
M104	XJ	MF	ECQE		MMDR,MMDS	277P	914			
M106		WC			MMWF	431P	902	S8	33MM	
M108		RWC	ECQUT,ECQUV	MKT1813	MMWA	430P	901	S9	32MM	
M202					MFKR					FKS3
M204		PE	ECQB, ECQM		MFDR	225P,418P				
M206					MFWF	148P			33M	
M208					MFWA	410P,416P	801		32M	
M302			ECQEW,ECWJ	F1772				DX		MKS5-R
M304	XR									
M306										
M308				F1773						
M402										MKS4
M404										
M406										
M408										
M502				MKT1818						MKS3
M504	XN		ECQE (F)		MMDS,MMDT					
M506	AS									
M508										
M606										
C102				MKC1862	CMKR,CMKS					MKC3, MKC4
C104					CMDR					
C106		WD			CMWF					
C108		RWD		MKC1860	CMWA	630P,632P			32 MPC	
C202										FKC3
C204										
C206										
C208				KC1853						
P102				MKP1840	PMKR			BB		MKP4
P104	XF	MP	ECWF		PMDR					
P106	AF				PMWF			SA		
P108				MKP1839	PMWA	730P		SC	32MPL	
P202					PFKR					FKP3
P204	APH		ECQP (U)		PFDR	716P				
P206					PFWF					
P208				KP1838	PFWA	714P		S1	32PL	
P302				MKP1844						
P304										
P306										
P308				MKP1842						
P402				MKP1841,1846						MKP10
P404			ECWH							
P406										
P408										
P502				KP1836				BP		FKP1
P504						716P				
P506										
P508				KP1382				S2		
P606									FS33MPL	
P608					PMWA	735P	2101		FS32MPL	
S102										
S104					SFWF					
S108					SFWA	490P			32P	



Metallized Polyester · Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
M102	Radial Box	0.001 To 22.0	±1% To ±20%	3 - 10
M104	Radial Epoxy Dip	0.001 To 22.0	±1% To ±20%	3 - 12
M106	Axial Oval Wrap & Fill	0.001 To 22.0	±1% To ±20%	3 - 14
M108	Axial Round Wrap & Fill	0.001 To 22.0	±1% To ±20%	3 - 16

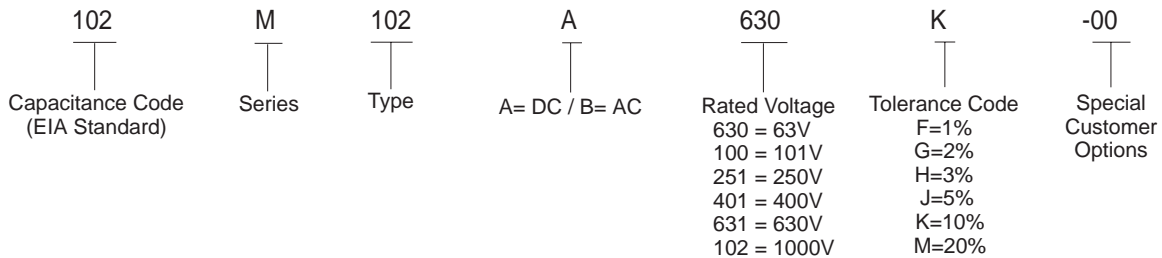
Features

- 1) Extended foil, non-inductive construction
- 2) Very small size and self healing properties
- 3) Low dissipation factor and high stability of capacitance
- 4) High insulation resistance and high humidity resistance
- 5) Wide temperature range

Applications

- 1) Filtering
- 2) Timing
- 3) Blocking
- 4) Coupling and decoupling
- 5) Bypassing and low pulse operations
- 6) Interference suppression in low voltage
- 7) Industrial electronics and commercial equipment

Part Numbering System



Specifications

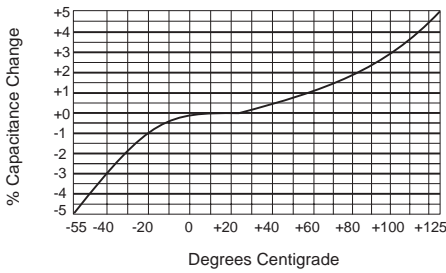
- 1) Operating Temperature Range: -55°C To +85°C with full Rated Voltage applied, to +125°C with 50% of rated voltage
- 2) Dissipation Factor: 1.0% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 63VDC, 100VDC, 250VDC, 400VDC, 630VDC, 1000VDC
- 4) Dielectric Strength: 200% of rated voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at rated DC voltage or 500VDC, the minimum IR shall be
 ≥30,000 Megohms for C≤0.33uF and rated voltage >100VDC,
 ≥15,000 Megohms for C≤0.33uF and rated voltage ≤100VDC,
 ≥10,000 Megohms x MFD(sec) for C>0.33uF and rated voltage >100VDC,
 ≥5,000 Megohms x MFD(sec) for C> 0.33uF and rated voltage ≤100VDC
- 6) Dielectric Absorption: 0.5% Maximum at +25°C
- 7) Capacitance Change: <±3% at -25°C to +85°C



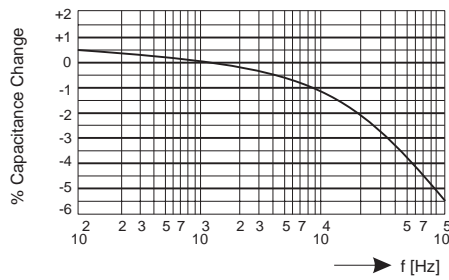
Metallized Polyester

TYPE: M102, M104, M106, M108 Series

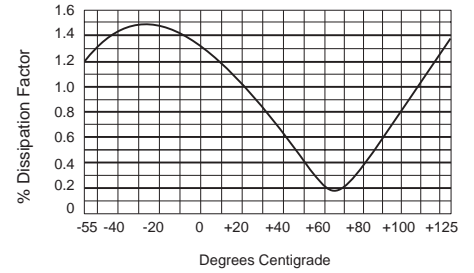
Capacitance Change vs. Temperature At 1KHz



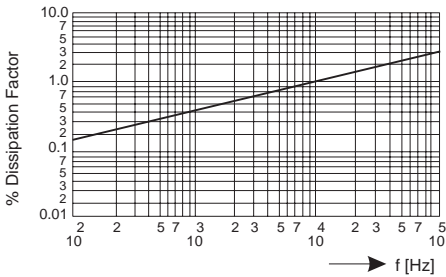
Capacitance Change vs. Frequency (Room Temp.)



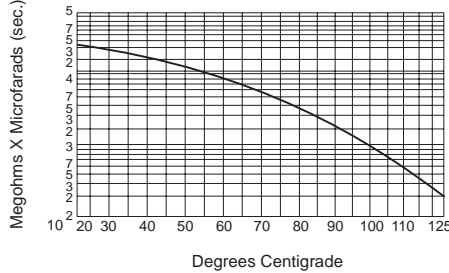
Dissipation vs. Temperature At 1KHz



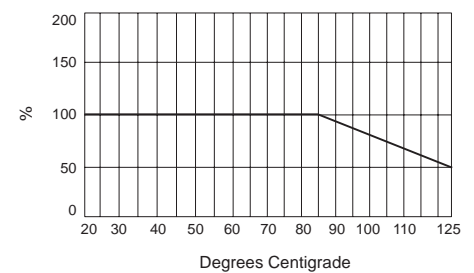
Dissipation Factor vs. Frequency (Room Temp.)



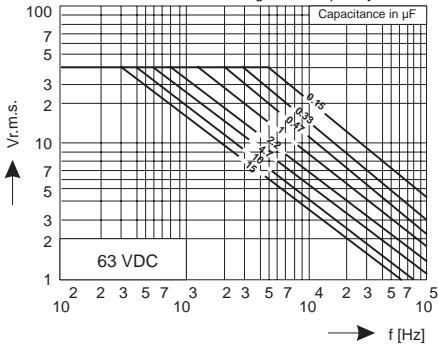
Insulation Resistance vs. Temperature



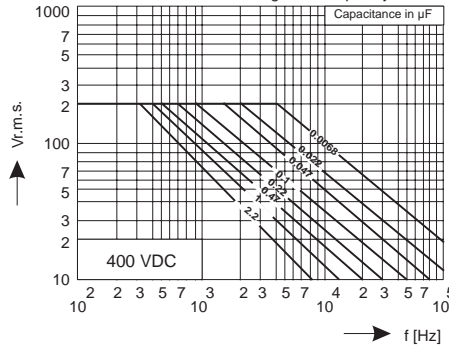
Voltage Derating vs. Temperature



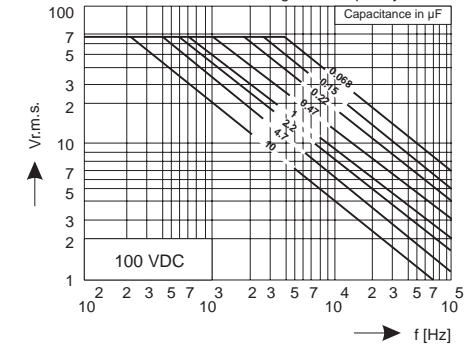
Permissible AC Voltage vs. Frequency



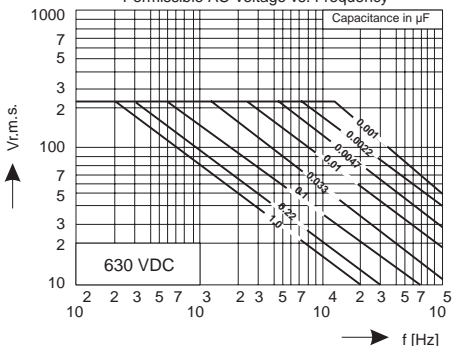
Permissible AC Voltage vs. Frequency



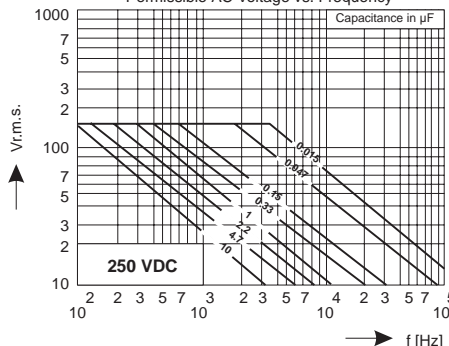
Permissible AC Voltage vs. Frequency



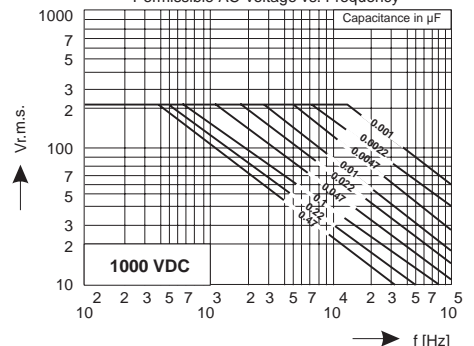
Permissible AC Voltage vs. Frequency



Permissible AC Voltage vs. Frequency



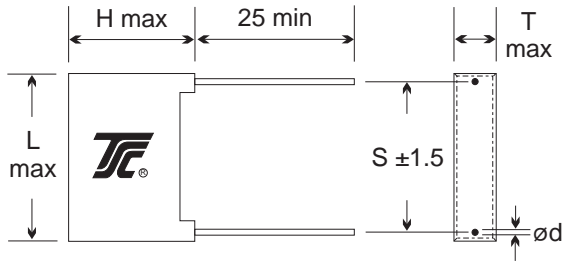
Permissible AC Voltage vs. Frequency





Metallized Polyester • Radial Box

TYPE: M102 Series



L	10.5	13.0	18.0	26.5	32.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (µF)	63 VDC				100 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	9.0	10.5	102 M102A630K	4.0	9.0	10.5	102 M102A101K	4.0	9.0	10.5	102 M102A251K
0.0012	4.0	9.0	10.5	122 M102A630K	4.0	9.0	10.5	122 M102A101K	4.0	9.0	10.5	122 M102A251K
0.0015	4.0	9.0	10.5	152 M102A630K	4.0	9.0	10.5	152 M102A101K	4.0	9.0	10.5	152 M102A251K
0.0018	4.0	9.0	10.5	182 M102A630K	4.0	9.0	10.5	182 M102A101K	4.0	9.0	10.5	182 M102A251K
0.0022	4.0	9.0	10.5	222 M102A630K	4.0	9.0	10.5	222 M102A101K	4.0	9.0	10.5	222 M102A251K
0.0027	4.0	9.0	10.5	272 M102A630K	4.0	9.0	10.5	272 M102A101K	4.0	9.0	10.5	272 M102A251K
0.0033	4.0	9.0	10.5	332 M102A630K	4.0	9.0	10.5	332 M102A101K	4.0	9.0	10.5	332 M102A251K
0.0039	4.0	9.0	10.5	392 M102A630K	4.0	9.0	10.5	392 M102A101K	4.0	9.0	10.5	392 M102A251K
0.0047	4.0	9.0	10.5	472 M102A630K	4.0	9.0	10.5	472 M102A101K	4.0	9.0	10.5	472 M102A251K
0.0056	4.0	9.0	10.5	562 M102A630K	4.0	9.0	10.5	562 M102A101K	4.0	9.0	10.5	562 M102A251K
0.0068	4.0	9.0	10.5	682 M102A630K	4.0	9.0	10.5	682 M102A101K	4.0	9.0	10.5	682 M102A251K
0.0082	4.0	9.0	10.5	822 M102A630K	4.0	9.0	10.5	822 M102A101K	4.0	9.0	10.5	822 M102A251K
0.01	4.0	9.0	10.5	103 M102A630K	4.0	9.0	10.5	103 M102A101K	4.0	9.0	10.5	103 M102A251K
0.012	4.0	9.0	10.5	123 M102A630K	4.0	9.0	10.5	123 M102A101K	4.0	9.0	10.5	123 M102A251K
0.015	4.0	9.0	10.5	153 M102A630K	4.0	9.0	10.5	153 M102A101K	4.0	9.0	10.5	153 M102A251K
0.018	4.0	9.0	10.5	183 M102A630K	4.0	9.0	10.5	183 M102A101K	4.0	9.0	10.5	183 M102A251K
0.022	4.0	9.0	10.5	223 M102A630K	4.0	9.0	10.5	223 M102A101K	4.0	9.0	10.5	223 M102A251K
0.027	4.0	9.0	10.5	273 M102A630K	4.0	9.0	10.5	273 M102A101K	4.0	9.0	10.5	273 M102A251K
0.033	4.0	9.0	10.5	333 M102A630K	4.0	9.0	10.5	333 M102A101K	4.0	9.0	10.5	333 M102A251K
0.039	4.0	9.0	10.5	393 M102A630K	4.0	9.0	10.5	393 M102A101K	4.0	9.0	10.5	393 M102A251K
0.047	4.0	9.0	10.5	473 M102A630K	4.0	9.0	10.5	473 M102A101K	4.0	9.0	10.5	473 M102A251K
0.056	4.0	9.0	10.5	563 M102A630K	4.0	9.0	10.5	563 M102A101K	4.0	9.0	13.0	563 M102A251K
0.068	4.0	9.0	10.5	683 M102A630K	4.0	9.0	10.5	683 M102A101K	4.0	9.0	13.0	683 M102A251K
0.082	4.0	9.0	10.5	823 M102A630K	4.0	9.0	10.5	823 M102A101K	5.0	11.0	13.0	823 M102A251K
0.10	4.0	9.0	10.5	104 M102A630K	4.0	9.0	10.5	104 M102A101K	5.0	11.0	13.0	104 M102A251K
0.12	4.0	9.0	10.5	124 M102A630K	4.0	9.0	13.0	124 M102A101K	6.0	12.0	13.0	124 M102A251K
0.15	4.0	9.0	10.5	154 M102A630K	4.0	9.0	13.0	154 M102A101K	6.0	12.0	13.0	154 M102A251K
0.18	4.0	9.0	10.5	184 M102A630K	5.0	11.0	13.0	184 M102A101K	5.0	11.0	18.0	184 M102A251K
0.22	4.0	9.0	10.5	224 M102A630K	5.0	11.0	13.0	224 M102A101K	5.0	11.0	18.0	224 M102A251K
0.27	4.0	9.0	10.5	274 M102A630K	6.0	12.0	13.0	274 M102A101K	6.0	12.0	18.0	274 M102A251K
0.33	4.0	9.0	10.5	334 M102A630K	6.0	12.0	13.0	334 M102A101K	6.0	12.0	18.0	334 M102A251K
0.39	4.0	9.0	13.0	394 M102A630K	5.0	11.0	18.0	394 M102A101K	7.5	13.5	18.0	394 M102A251K
0.47	4.0	9.0	13.0	474 M102A630K	5.0	11.0	18.0	474 M102A101K	7.5	13.5	18.0	474 M102A251K
0.56	5.0	11.0	13.0	564 M102A630K	6.0	12.0	18.0	564 M102A101K	6.0	15.0	26.5	564 M102A251K
0.68	5.0	11.0	13.0	684 M102A630K	6.0	12.0	18.0	684 M102A101K	7.0	16.5	26.5	684 M102A251K
0.82	6.0	12.0	13.0	824 M102A630K	7.5	13.5	18.0	824 M102A101K	8.5	17.0	26.5	824 M102A251K
1.0	6.0	12.0	13.0	105 M102A630K	7.5	13.5	18.0	105 M102A101K	8.5	17.0	26.5	105 M102A251K
1.2	6.0	12.0	18.0	125 M102A630K	7.0	16.5	26.5	125 M102A101K	10.0	19.0	26.5	125 M102A251K
1.5	6.0	12.0	18.0	155 M102A630K	7.0	16.5	26.5	155 M102A101K	10.0	19.0	26.5	155 M102A251K
1.8	7.5	13.5	18.0	185 M102A630K	8.5	17.0	26.5	185 M102A101K	11.0	20.0	32.0	185 M102A251K
2.2	7.5	13.5	18.0	225 M102A630K	8.5	17.0	26.5	225 M102A101K	11.0	20.0	32.0	225 M102A251K
2.7	6.0	15.0	26.5	275 M102A630K	10.0	19.0	26.5	275 M102A101K	13.0	22.0	32.0	275 M102A251K
3.3	7.0	16.5	26.5	335 M102A630K	10.0	19.0	26.5	335 M102A101K	13.0	22.0	32.0	335 M102A251K
3.9	8.5	17.0	26.5	395 M102A630K	11.0	20.0	32.0	395 M102A101K	15.0	25.0	32.0	395 M102A251K
4.7	8.5	17.0	26.5	475 M102A630K	11.0	20.0	32.0	475 M102A101K	18.0	30.0	32.0	475 M102A251K
5.6	10.0	19.0	26.5	565 M102A630K	13.0	22.0	32.0	565 M102A101K				
6.8	10.0	19.0	26.5	685 M102A630K	13.0	22.0	32.0	685 M102A101K				
8.2	11.0	20.0	32.0	825 M102A630K	15.0	25.0	32.0	825 M102A101K				
10.0	11.0	20.0	32.0	106 M102A630K	18.0	30.0	32.0	106 M102A101K				
12.0	11.0	20.0	32.0	126 M102A630K								
15.0	13.0	22.0	32.0	156 M102A630K								
18.0	13.0	22.0	32.0	186 M102A630K								
22.0	15.0	25.0	32.0	226 M102A630K								

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polyester - Radial Box

TYPE: M102 Series

(mm)

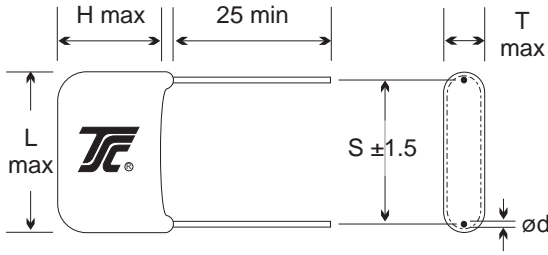
CAP. (µF)	400 VDC				630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	9.0	10.5	102 M102A401K	4.0	9.0	10.5	102 M102A631K	4.0	9.0	13.0	102 M102A102K
0.0012	4.0	9.0	10.5	122 M102A401K	4.0	9.0	10.5	122 M102A631K	4.0	9.0	13.0	122 M102A102K
0.0015	4.0	9.0	10.5	152 M102A401K	4.0	9.0	10.5	152 M102A631K	4.0	9.0	13.0	152 M102A102K
0.0018	4.0	9.0	10.5	182 M102A401K	4.0	9.0	10.5	182 M102A631K	4.0	9.0	13.0	182 M102A102K
0.0022	4.0	9.0	10.5	222 M102A401K	4.0	9.0	10.5	222 M102A631K	4.0	9.0	13.0	222 M102A102K
0.0027	4.0	9.0	10.5	272 M102A401K	4.0	9.0	10.5	272 M102A631K	4.0	9.0	13.0	272 M102A102K
0.0033	4.0	9.0	10.5	332 M102A401K	4.0	9.0	10.5	332 M102A631K	4.0	9.0	13.0	332 M102A102K
0.0039	4.0	9.0	10.5	392 M102A401K	4.0	9.0	10.5	392 M102A631K	4.0	9.0	13.0	392 M102A102K
0.0047	4.0	9.0	10.5	472 M102A401K	4.0	9.0	10.5	472 M102A631K	4.0	9.0	13.0	472 M102A102K
0.0056	4.0	9.0	10.5	562 M102A401K	4.0	9.0	13.0	562 M102A631K	4.0	9.0	13.0	562 M102A102K
0.0068	4.0	9.0	10.5	682 M102A401K	4.0	9.0	13.0	682 M102A631K	5.0	11.0	13.0	682 M102A102K
0.0082	4.0	9.0	10.5	822 M102A401K	4.0	9.0	13.0	822 M102A631K	5.0	11.0	13.0	822 M102A102K
0.01	4.0	9.0	10.5	103 M102A401K	4.0	9.0	13.0	103 M102A631K	6.0	12.0	13.0	103 M102A102K
0.012	4.0	9.0	10.5	123 M102A401K	5.0	11.0	13.0	123 M102A631K	5.0	11.0	18.0	123 M102A102K
0.015	4.0	9.0	10.5	153 M102A401K	5.0	11.0	13.0	153 M102A631K	5.0	11.0	18.0	153 M102A102K
0.018	4.0	9.0	13.0	183 M102A401K	5.0	11.0	13.0	183 M102A631K	5.0	11.0	18.0	183 M102A102K
0.022	4.0	9.0	13.0	223 M102A401K	6.0	12.0	13.0	223 M102A631K	6.0	12.0	18.0	223 M102A102K
0.027	5.0	11.0	13.0	273 M102A401K	5.0	11.0	18.0	273 M102A631K	6.0	12.0	18.0	273 M102A102K
0.033	5.0	11.0	13.0	333 M102A401K	5.0	11.0	18.0	333 M102A631K	7.5	13.5	18.0	333 M102A102K
0.039	6.0	12.0	13.0	393 M102A401K	6.0	12.0	18.0	393 M102A631K	6.0	15.0	26.5	393 M102A102K
0.047	6.0	12.0	13.0	473 M102A401K	6.0	12.0	18.0	473 M102A631K	7.0	16.5	26.5	473 M102A102K
0.056	5.0	11.0	18.0	563 M102A401K	6.0	12.0	18.0	563 M102A631K	7.0	16.5	26.5	563 M102A102K
0.068	5.0	11.0	18.0	683 M102A401K	7.5	13.5	18.0	683 M102A631K	8.5	17.0	26.5	683 M102A102K
0.082	6.0	12.0	18.0	823 M102A401K	6.0	15.0	26.5	823 M102A631K	8.5	17.0	26.5	823 M102A102K
0.10	6.0	12.0	18.0	104 M102A401K	6.0	15.0	26.5	104 M102A631K	10.0	19.0	26.5	104 M102A102K
0.12	7.5	13.5	18.0	124 M102A401K	7.0	16.5	26.5	124 M102A631K	11.0	20.0	32.0	124 M102A102K
0.15	7.5	13.5	18.0	154 M102A401K	7.0	16.5	26.5	154 M102A631K	11.0	20.0	32.0	154 M102A102K
0.18	6.0	15.0	26.5	184 M102A401K	8.5	17.0	26.5	184 M102A631K	11.0	20.0	32.0	184 M102A102K
0.22	7.0	16.5	26.5	224 M102A401K	10.0	19.0	26.5	224 M102A631K	13.0	22.0	32.0	224 M102A102K
0.27	7.0	16.5	26.5	274 M102A401K	11.0	20.0	32.0	274 M102A631K	15.0	25.0	32.0	274 M102A102K
0.33	8.5	17.0	26.5	334 M102A401K	11.0	20.0	32.0	334 M102A631K	15.0	25.0	32.0	334 M102A102K
0.39	8.5	17.0	26.5	394 M102A401K	11.0	20.0	32.0	394 M102A631K	18.0	30.0	32.0	394 M102A102K
0.47	10.0	19.0	26.5	474 M102A401K	13.0	22.0	32.0	474 M102A631K	18.0	30.0	32.0	474 M102A102K
0.56	11.0	20.0	32.0	564 M102A401K	15.0	25.0	32.0	564 M102A631K				
0.68	11.0	20.0	32.0	684 M102A401K	15.0	25.0	32.0	684 M102A631K				
0.82	13.0	22.0	32.0	824 M102A401K	18.0	30.0	32.0	824 M102A631K				
1.0	13.0	22.0	32.0	105 M102A401K	18.0	30.0	32.0	105 M102A631K				
1.2	15.0	25.0	32.0	125 M102A401K								
1.5	15.0	25.0	32.0	155 M102A401K								
1.8	18.0	30.0	32.0	185 M102A401K								
2.2	18.0	30.0	32.0	225 M102A401K								

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polyester - Radial Epoxy Dipped

TYPE: M104 Series



L	10.0	12.5	18.0	26.0	31.0	44.0
S	7.5	10.0	15.0	22.5	27.5	38.0
d	0.6	0.6	0.8	0.8	0.8	0.8

(mm)

CAP. (μF)	63 VDC				100 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	8.0	10.0	102 M104A630K	4.0	8.0	10.0	102 M104A101K	4.0	8.0	10.0	102 M104A251K
0.0012	4.0	8.0	10.0	122 M104A630K	4.0	8.0	10.0	122 M104A101K	4.0	8.0	10.0	122 M104A251K
0.0015	4.0	8.0	10.0	152 M104A630K	4.0	8.0	10.0	152 M104A101K	4.0	8.0	10.0	152 M104A251K
0.0018	4.0	8.0	10.0	182 M104A630K	4.0	8.0	10.0	182 M104A101K	4.0	8.0	10.0	182 M104A251K
0.0022	4.0	8.0	10.0	222 M104A630K	4.0	8.0	10.0	222 M104A101K	4.0	8.0	10.0	222 M104A251K
0.0027	4.0	8.0	10.0	272 M104A630K	4.0	8.0	10.0	272 M104A101K	4.0	8.0	10.0	272 M104A251K
0.0033	4.0	8.0	10.0	332 M104A630K	4.0	8.0	10.0	332 M104A101K	4.0	8.0	10.0	332 M104A251K
0.0039	4.0	8.0	10.0	392 M104A630K	4.0	8.0	10.0	392 M104A101K	4.0	8.0	10.0	392 M104A251K
0.0047	4.0	8.0	10.0	472 M104A630K	4.0	8.0	10.0	472 M104A101K	4.0	8.0	10.0	472 M104A251K
0.0056	4.0	8.0	10.0	562 M104A630K	4.0	8.0	10.0	562 M104A101K	4.0	8.0	10.0	562 M104A251K
0.0068	4.0	8.0	10.0	682 M104A630K	4.0	8.0	10.0	682 M104A101K	4.0	8.0	10.0	682 M104A251K
0.0082	4.0	8.0	10.0	822 M104A630K	4.0	8.0	10.0	822 M104A101K	4.0	8.0	10.0	822 M104A251K
0.01	4.0	8.0	10.0	103 M104A630K	4.0	8.0	10.0	103 M104A101K	4.0	8.0	10.0	103 M104A251K
0.012	4.0	8.0	10.0	123 M104A630K	4.0	8.0	10.0	123 M104A101K	4.0	8.0	10.0	123 M104A251K
0.015	4.0	8.0	10.0	153 M104A630K	4.0	8.0	10.0	153 M104A101K	4.0	8.0	10.0	153 M104A251K
0.018	4.0	8.0	10.0	183 M104A630K	4.0	8.0	10.0	183 M104A101K	4.0	8.0	10.0	183 M104A251K
0.022	4.0	8.0	10.0	223 M104A630K	4.0	8.0	10.0	223 M104A101K	4.0	8.0	10.0	223 M104A251K
0.027	4.0	8.0	10.0	273 M104A630K	4.0	8.0	10.0	273 M104A101K	4.0	8.0	10.0	273 M104A251K
0.033	4.0	8.0	10.0	333 M104A630K	4.0	8.0	10.0	333 M104A101K	4.0	8.5	10.0	333 M104A251K
0.039	4.0	8.0	10.0	393 M104A630K	4.0	8.0	10.0	393 M104A101K	4.0	9.0	10.0	393 M104A251K
0.047	4.0	8.0	10.0	473 M104A630K	4.0	8.0	10.0	473 M104A101K	4.5	9.0	10.0	473 M104A251K
0.056	4.0	8.0	10.0	563 M104A630K	4.0	8.0	10.0	563 M104A101K	4.0	9.0	12.5	563 M104A251K
0.068	4.0	8.0	10.0	683 M104A630K	4.0	8.0	10.0	683 M104A101K	4.5	9.0	12.5	683 M104A251K
0.082	4.0	8.0	10.0	823 M104A630K	4.0	8.5	10.0	823 M104A101K	4.5	9.5	12.5	823 M104A251K
0.10	4.0	8.0	10.0	104 M104A630K	4.0	9.0	10.0	104 M104A101K	5.0	10.0	12.5	104 M104A251K
0.12	4.0	8.0	10.0	124 M104A630K	4.0	8.5	12.5	124 M104A101K	5.5	11.0	12.5	124 M104A251K
0.15	4.0	8.0	10.0	154 M104A630K	4.5	9.0	12.5	154 M104A101K	6.0	12.0	12.5	154 M104A251K
0.18	4.0	8.5	10.0	184 M104A630K	4.5	9.5	12.5	184 M104A101K	5.0	10.0	18.0	184 M104A251K
0.22	4.0	8.5	10.0	224 M104A630K	5.0	10.0	12.5	224 M104A101K	5.5	11.0	18.0	224 M104A251K
0.27	4.0	8.5	10.0	274 M104A630K	5.5	11.0	12.5	274 M104A101K	6.0	12.0	18.0	274 M104A251K
0.33	4.0	9.0	10.0	334 M104A630K	6.0	12.0	12.5	334 M104A101K	6.5	12.5	18.0	334 M104A251K
0.39	4.0	9.0	12.5	394 M104A630K	5.0	10.0	18.0	394 M104A101K	7.0	13.0	18.0	394 M104A251K
0.47	4.5	9.5	12.5	474 M104A630K	5.5	11.0	18.0	474 M104A101K	7.5	13.5	18.0	474 M104A251K
0.56	5.0	10.0	12.5	564 M104A630K	6.0	12.0	18.0	564 M104A101K	7.0	13.0	26.0	564 M104A251K
0.68	5.5	10.5	12.5	684 M104A630K	7.0	13.0	18.0	684 M104A101K	8.0	14.0	26.0	684 M104A251K
0.82	6.0	11.5	12.5	824 M104A630K	7.5	13.5	18.0	824 M104A101K	8.5	15.5	26.0	824 M104A251K
1.0	6.5	12.0	12.5	105 M104A630K	8.0	14.0	18.0	105 M104A101K	9.0	16.5	26.0	105 M104A251K
1.2	6.0	12.0	18.0	125 M104A630K	7.5	13.5	26.0	125 M104A101K	9.5	17.0	26.0	125 M104A251K
1.5	6.5	12.5	18.0	155 M104A630K	8.0	14.0	26.0	155 M104A101K	10.0	19.0	26.0	155 M104A251K
1.8	7.0	13.0	18.0	185 M104A630K	8.5	15.5	26.0	185 M104A101K	9.5	17.0	31.0	185 M104A251K
2.2	7.5	13.5	18.0	225 M104A630K	9.0	17.0	26.0	225 M104A101K	10.0	19.0	31.0	225 M104A251K
2.7	7.0	13.0	26.0	275 M104A630K	9.5	18.0	26.0	275 M104A101K	11.5	21.0	31.0	275 M104A251K
3.3	7.5	13.5	26.0	335 M104A630K	10.5	20.0	26.0	335 M104A101K	12.5	23.0	31.0	335 M104A251K
3.9	8.0	14.5	26.0	395 M104A630K	10.0	19.0	31.0	395 M104A101K	13.5	25.0	31.0	395 M104A251K
4.7	8.5	16.0	26.0	475 M104A630K	11.0	21.0	31.0	475 M104A101K	15.0	26.0	31.0	475 M104A251K
5.6	9.0	17.0	26.0	565 M104A630K	12.0	22.0	31.0	565 M104A101K	14.5	25.0	44.0	565 M104A251K
6.8	9.5	18.0	26.0	685 M104A630K	13.0	24.0	31.0	685 M104A101K	16.0	30.0	44.0	685 M104A251K
8.2	9.0	17.0	31.0	825 M104A630K	14.0	26.0	31.0	825 M104A101K	16.5	32.0	44.0	825 M104A251K
10.0	9.5	18.0	31.0	106 M104A630K	16.5	30.0	31.0	106 M104A101K	18.0	34.0	44.0	106 M104A251K
12.0	10.0	19.0	31.0	126 M104A630K	15.5	28.0	44.0	126 M104A101K				
15.0	11.5	21.0	31.0	156 M104A630K	16.5	30.0	44.0	156 M104A101K				
18.0	12.5	23.0	31.0	186 M104A630K	17.5	32.0	44.0	186 M104A101K				
22.0	14.0	25.0	31.0	226 M104A630K	20.0	35.0	44.0	226 M104A101K				

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polyester - Radial Epoxy Dipped

TYPE: M104 Series

(mm)

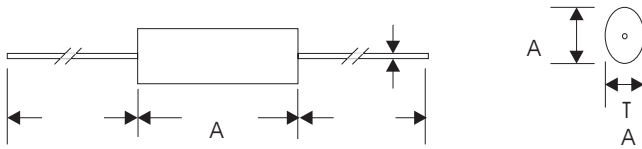
CAP. (μF)	400 VDC				630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	8.0	10.0	102 M104A401K	4.0	8.0	10.0	102 M104A631K	4.0	8.0	12.5	102 M104A102K
0.0012	4.0	8.0	10.0	122 M104A401K	4.0	8.0	10.0	122 M104A631K	4.0	8.5	12.5	122 M104A102K
0.0015	4.0	8.0	10.0	152 M104A401K	4.0	8.0	10.0	152 M104A631K	4.0	9.0	12.5	152 M104A102K
0.0018	4.0	8.0	10.0	182 M104A401K	4.0	8.0	10.0	182 M104A631K	4.0	9.0	12.5	182 M104A102K
0.0022	4.0	8.0	10.0	222 M104A401K	4.0	8.0	10.0	222 M104A631K	4.5	9.0	12.5	222 M104A102K
0.0027	4.0	8.0	10.0	272 M104A401K	4.0	8.0	10.0	272 M104A631K	4.5	9.0	12.5	272 M104A102K
0.0033	4.0	8.0	10.0	332 M104A401K	4.0	8.0	10.0	332 M104A631K	4.5	9.0	12.5	332 M104A102K
0.0039	4.0	8.0	10.0	392 M104A401K	4.0	8.0	10.0	392 M104A631K	4.5	9.0	12.5	392 M104A102K
0.0047	4.0	8.0	10.0	472 M104A401K	4.0	8.0	10.0	472 M104A631K	4.5	9.5	12.5	472 M104A102K
0.0056	4.0	8.0	10.0	562 M104A401K	4.0	8.0	12.5	562 M104A631K	4.5	9.5	12.5	562 M104A102K
0.0068	4.0	8.0	10.0	682 M104A401K	4.0	9.0	12.5	682 M104A631K	5.0	10.0	12.5	682 M104A102K
0.0082	4.0	8.0	10.0	822 M104A401K	4.5	9.0	12.5	822 M104A631K	5.0	10.0	12.5	822 M104A102K
0.01	4.0	8.0	10.0	103 M104A401K	4.5	9.0	12.5	103 M104A631K	5.5	11.0	12.5	103 M104A102K
0.012	4.0	8.5	10.0	123 M104A401K	5.0	10.0	12.5	123 M104A631K	5.0	10.0	18.0	123 M104A102K
0.015	4.5	9.0	10.0	153 M104A401K	5.5	11.0	12.5	153 M104A631K	5.0	10.0	18.0	153 M104A102K
0.018	4.0	9.0	12.5	183 M104A401K	6.0	11.5	12.5	183 M104A631K	5.5	11.0	18.0	183 M104A102K
0.022	4.5	9.0	12.5	223 M104A401K	6.0	12.0	12.5	223 M104A631K	6.0	12.0	18.0	223 M104A102K
0.027	4.5	9.5	12.5	273 M104A401K	5.0	10.0	18.0	273 M104A631K	6.5	12.5	18.0	273 M104A102K
0.033	5.0	10.0	12.5	333 M104A401K	5.5	11.0	18.0	333 M104A631K	7.0	13.0	18.0	333 M104A102K
0.039	6.0	11.0	12.5	393 M104A401K	6.0	11.5	18.0	393 M104A631K	6.5	12.5	26.0	393 M104A102K
0.047	6.5	12.0	12.5	473 M104A401K	6.0	12.0	18.0	473 M104A631K	7.0	13.0	26.0	473 M104A102K
0.056	5.0	10.0	18.0	563 M104A401K	6.5	12.5	18.0	563 M104A631K	8.0	15.0	26.0	563 M104A102K
0.068	5.5	11.0	18.0	683 M104A401K	7.0	13.0	18.0	683 M104A631K	8.5	16.0	26.0	683 M104A102K
0.082	5.5	11.5	18.0	823 M104A401K	6.5	12.5	26.0	823 M104A631K	9.0	16.5	26.0	823 M104A102K
0.10	6.5	12.5	18.0	104 M104A401K	7.0	13.0	26.0	104 M104A631K	9.5	18.0	26.0	104 M104A102K
0.12	7.0	13.0	18.0	124 M104A401K	8.0	14.0	26.0	124 M104A631K	9.0	16.5	31.0	124 M104A102K
0.15	7.5	13.5	18.0	154 M104A401K	8.5	15.0	26.0	154 M104A631K	10.0	19.0	31.0	154 M104A102K
0.18	6.5	12.5	26.0	184 M104A401K	9.0	17.0	26.0	184 M104A631K	10.5	20.0	31.0	184 M104A102K
0.22	7.0	13.0	26.0	224 M104A401K	10.0	19.0	26.0	224 M104A631K	11.5	21.0	31.0	224 M104A102K
0.27	8.0	14.5	26.0	274 M104A401K	9.5	17.0	31.0	274 M104A631K	12.5	23.0	31.0	274 M104A102K
0.33	8.5	16.0	26.0	334 M104A401K	10.0	19.0	31.0	334 M104A631K	13.5	25.0	31.0	334 M104A102K
0.39	9.0	17.0	26.0	394 M104A401K	11.0	20.5	31.0	394 M104A631K	14.5	27.0	31.0	394 M104A102K
0.47	9.5	18.0	26.0	474 M104A401K	12.0	22.0	31.0	474 M104A631K	16.5	30.0	31.0	474 M104A102K
0.56	10.0	19.0	31.0	564 M104A401K	13.0	23.0	31.0	564 M104A631K	15.0	27.0	44.0	564 M104A102K
0.68	10.5	20.0	31.0	684 M104A401K	13.5	25.0	31.0	684 M104A631K	16.5	30.0	44.0	684 M104A102K
0.82	11.5	22.0	31.0	824 M104A401K	14.5	27.0	31.0	824 M104A631K	17.0	32.0	44.0	824 M104A102K
1.0	13.0	24.0	31.0	105 M104A401K	16.5	30.0	31.0	105 M104A631K	20.0	35.0	44.0	105 M104A102K
1.2	14.0	25.5	31.0	125 M104A401K	15.0	27.0	44.0	125 M104A631K				
1.5	15.5	27.0	31.0	155 M104A401K	16.5	30.0	44.0	155 M104A631K				
1.8	16.5	30.0	31.0	185 M104A401K	18.0	33.0	44.0	185 M104A631K				
2.2	17.0	32.0	31.0	225 M104A401K	20.5	36.0	44.0	225 M104A631K				
2.7	15.5	28.0	44.0	275 M104A401K								
3.3	17.0	32.0	44.0	335 M104A401K								
3.9	18.0	33.0	44.0	395 M104A401K								
4.7	20.0	35.0	44.0	475 M104A401K								

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polyester - Axial Oval Wrap & Fill

TYPE: M106 Series



L	11.0	14.0	19.0	26.5	32.0	38.0	45.0	58.0
d	0.5	0.6	0.6	0.8	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	63 VDC				100 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102 M106A630K	3.5	6.0	11.0	102 M106A101K	3.5	6.0	11.0	102 M106A251K
0.0012	3.5	6.0	11.0	122 M106A630K	3.5	6.0	11.0	122 M106A101K	3.5	6.0	11.0	122 M106A251K
0.0015	3.5	6.0	11.0	152 M106A630K	3.5	6.0	11.0	152 M106A101K	3.5	6.0	11.0	152 M106A251K
0.0018	3.5	6.0	11.0	182 M106A630K	3.5	6.0	11.0	182 M106A101K	3.5	6.0	11.0	182 M106A251K
0.0022	3.5	6.0	11.0	222 M106A630K	3.5	6.0	11.0	222 M106A101K	3.5	6.0	11.0	222 M106A251K
0.0027	3.5	6.0	11.0	272 M106A630K	3.5	6.0	11.0	272 M106A101K	3.5	6.0	11.0	272 M106A251K
0.0033	3.5	6.0	11.0	332 M106A630K	3.5	6.0	11.0	332 M106A101K	3.5	6.0	11.0	332 M106A251K
0.0039	3.5	6.0	11.0	392 M106A630K	3.5	6.0	11.0	392 M106A101K	3.5	6.0	11.0	392 M106A251K
0.0047	3.5	6.0	11.0	472 M106A630K	3.5	6.0	11.0	472 M106A101K	3.5	6.0	11.0	472 M106A251K
0.0056	3.5	6.0	11.0	562 M106A630K	3.5	6.0	11.0	562 M106A101K	3.5	6.0	11.0	562 M106A251K
0.0068	3.5	6.0	11.0	682 M106A630K	3.5	6.0	11.0	682 M106A101K	3.5	6.0	11.0	682 M106A251K
0.0082	3.5	6.0	11.0	822 M106A630K	3.5	6.0	11.0	822 M106A101K	3.5	6.0	11.0	822 M106A251K
0.01	3.5	6.0	11.0	103 M106A630K	3.5	6.0	11.0	103 M106A101K	3.5	6.0	11.0	103 M106A251K
0.012	3.5	6.0	11.0	123 M106A630K	3.5	6.0	11.0	123 M106A101K	3.5	6.0	11.0	123 M106A251K
0.015	3.5	6.0	11.0	153 M106A630K	3.5	6.0	11.0	153 M106A101K	3.5	6.0	11.0	153 M106A251K
0.018	3.5	6.0	11.0	183 M106A630K	3.5	6.0	11.0	183 M106A101K	3.5	6.0	11.0	183 M106A251K
0.022	3.5	6.0	11.0	223 M106A630K	3.5	6.0	11.0	223 M106A101K	3.5	6.0	11.0	223 M106A251K
0.027	3.5	6.0	11.0	273 M106A630K	3.5	6.0	11.0	273 M106A101K	3.5	6.0	11.0	273 M106A251K
0.033	3.5	6.0	11.0	333 M106A630K	3.5	6.0	11.0	333 M106A101K	3.5	6.0	11.0	333 M106A251K
0.039	3.5	6.0	11.0	393 M106A630K	3.5	6.0	11.0	393 M106A101K	3.5	6.0	11.0	393 M106A251K
0.047	3.5	6.0	11.0	473 M106A630K	3.5	6.0	11.0	473 M106A101K	3.5	6.5	11.0	473 M106A251K
0.056	3.5	6.0	11.0	563 M106A630K	3.5	6.0	11.0	563 M106A101K	3.5	6.0	14.0	563 M106A251K
0.068	3.5	6.0	11.0	683 M106A630K	3.5	6.0	11.0	683 M106A101K	3.5	6.5	14.0	683 M106A251K
0.082	3.5	6.0	11.0	823 M106A630K	3.5	6.0	11.0	823 M106A101K	4.0	7.0	14.0	823 M106A251K
0.10	3.5	6.0	11.0	104 M106A630K	3.5	6.0	11.0	104 M106A101K	4.5	8.0	14.0	104 M106A251K
0.12	3.5	6.0	11.0	124 M106A630K	3.5	6.0	14.0	124 M106A101K	4.5	8.5	14.0	124 M106A251K
0.15	3.5	6.0	11.0	154 M106A630K	3.5	6.5	14.0	154 M106A101K	5.0	9.5	14.0	154 M106A251K
0.18	3.5	6.0	11.0	184 M106A630K	4.0	7.0	14.0	184 M106A101K	4.0	7.0	19.0	184 M106A251K
0.22	3.5	6.0	11.0	224 M106A630K	4.0	7.5	14.0	224 M106A101K	4.5	8.0	19.0	224 M106A251K
0.27	3.5	6.0	14.0	274 M106A630K	4.0	8.0	14.0	274 M106A101K	5.0	9.0	19.0	274 M106A251K
0.33	3.5	6.0	14.0	334 M106A630K	5.0	9.0	14.0	334 M106A101K	5.0	10.0	19.0	334 M106A251K
0.39	3.5	6.0	14.0	394 M106A630K	4.0	7.5	19.0	394 M106A101K	5.5	10.5	19.0	394 M106A251K
0.47	3.5	6.5	14.0	474 M106A630K	4.5	8.0	19.0	474 M106A101K	6.0	11.5	19.0	474 M106A251K
0.56	4.0	7.5	14.0	564 M106A630K	5.0	9.0	19.0	564 M106A101K	6.0	12.0	26.5	564 M106A251K
0.68	4.5	8.0	14.0	684 M106A630K	5.5	10.0	19.0	684 M106A101K	6.5	12.5	26.5	684 M106A251K
0.82	4.0	7.5	19.0	824 M106A630K	5.5	11.0	19.0	824 M106A101K	7.0	13.0	26.5	824 M106A251K
1.0	4.5	8.0	19.0	105 M106A630K	6.0	12.0	19.0	105 M106A101K	7.5	13.5	26.5	105 M106A251K
1.2	5.0	9.0	19.0	125 M106A630K	5.5	11.0	26.5	125 M106A101K	7.0	13.0	32.0	125 M106A251K
1.5	5.5	9.5	19.0	155 M106A630K	6.0	12.5	26.5	155 M106A101K	7.5	13.5	32.0	155 M106A251K
1.8	5.5	10.5	19.0	185 M106A630K	7.0	13.0	26.5	185 M106A101K	8.0	14.0	32.0	185 M106A251K
2.2	6.0	11.0	19.0	225 M106A630K	8.0	14.0	26.5	225 M106A101K	8.5	15.5	32.0	225 M106A251K
2.7	6.0	12.0	19.0	275 M106A630K	7.5	13.5	32.0	275 M106A101K	9.0	17.0	32.0	275 M106A251K
3.3	6.5	12.5	19.0	335 M106A630K	8.0	14.0	32.0	335 M106A101K	9.5	18.5	32.0	335 M106A251K
3.9	6.5	12.5	26.5	395 M106A630K	8.5	15.0	32.0	395 M106A101K	10.0	19.0	38.0	395 M106A251K
4.7	7.0	13.0	26.5	475 M106A630K	9.0	16.5	32.0	475 M106A101K	11.5	21.0	38.0	475 M106A251K
5.6	7.5	13.5	26.5	565 M106A630K	9.5	17.0	32.0	565 M106A101K	11.5	21.0	45.0	565 M106A251K
6.8	8.0	14.5	26.5	685 M106A630K	10.0	20.0	32.0	685 M106A101K	13.0	24.0	45.0	685 M106A251K
8.2	7.5	13.5	32.0	825 M106A630K	11.0	20.5	38.0	825 M106A101K	13.5	25.0	45.0	825 M106A251K
10.0	8.0	14.0	32.0	106 M106A630K	13.0	23.0	38.0	106 M106A101K	15.5	26.5	45.0	106 M106A251K
12.0	8.5	15.0	32.0	126 M106A630K	13.5	25.0	38.0	126 M106A101K	17.0	28.0	45.0	126 M106A251K
15.0	9.5	17.5	32.0	156 M106A630K	14.0	25.0	45.0	156 M106A101K	20.0	34.0	45.0	156 M106A251K
18.0	10.0	19.0	32.0	186 M106A630K	15.0	27.0	45.0	186 M106A101K	21.0	35.0	58.0	186 M106A251K
22.0	11.5	21.0	32.0	226 M106A630K	17.5	30.0	45.0	226 M106A101K	22.0	38.0	58.0	226 M106A251K

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polyester - Axial Oval Wrap & Fill

TYPE: M106 Series

(mm)

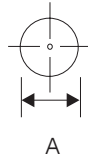
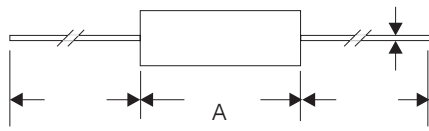
CAP. (µF)	400 VDC				630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102 M106A401K	3.5	6.0	11.0	102 M106A631K	3.5	6.0	14.0	102 M106A102K
0.0012	3.5	6.0	11.0	122 M106A401K	3.5	6.0	11.0	122 M106A631K	3.5	6.0	14.0	122 M106A102K
0.0015	3.5	6.0	11.0	152 M106A401K	3.5	6.0	11.0	152 M106A631K	3.5	6.0	14.0	152 M106A102K
0.0018	3.5	6.0	11.0	182 M106A401K	3.5	6.0	11.0	182 M106A631K	3.5	6.0	14.0	182 M106A102K
0.0022	3.5	6.0	11.0	222 M106A401K	3.5	6.0	11.0	222 M106A631K	3.5	6.0	14.0	222 M106A102K
0.0027	3.5	6.0	11.0	272 M106A401K	3.5	6.0	11.0	272 M106A631K	3.5	6.0	14.0	272 M106A102K
0.0033	3.5	6.0	11.0	332 M106A401K	3.5	6.0	11.0	332 M106A631K	3.5	6.0	14.0	332 M106A102K
0.0039	3.5	6.0	11.0	392 M106A401K	3.5	6.0	11.0	392 M106A631K	3.5	6.0	14.0	392 M106A102K
0.0047	3.5	6.0	11.0	472 M106A401K	3.5	6.0	11.0	472 M106A631K	3.5	6.5	14.0	472 M106A102K
0.0056	3.5	6.0	11.0	562 M106A401K	3.5	6.0	14.0	562 M106A631K	3.5	7.0	14.0	562 M106A102K
0.0068	3.5	6.0	11.0	682 M106A401K	3.5	6.0	14.0	682 M106A631K	4.0	7.5	14.0	682 M106A102K
0.0082	3.5	6.0	11.0	822 M106A401K	3.5	6.5	14.0	822 M106A631K	4.0	7.5	14.0	822 M106A102K
0.01	3.5	6.0	11.0	103 M106A401K	3.5	6.5	14.0	103 M106A631K	4.5	8.0	14.0	103 M106A102K
0.012	3.5	6.0	11.0	123 M106A401K	3.5	7.0	14.0	123 M106A631K	4.0	7.0	19.0	123 M106A102K
0.015	3.5	6.5	11.0	153 M106A401K	4.0	8.0	14.0	153 M106A631K	4.5	8.0	19.0	153 M106A102K
0.018	3.5	6.0	14.0	183 M106A401K	4.5	8.5	14.0	183 M106A631K	4.5	8.5	19.0	183 M106A102K
0.022	3.5	6.5	14.0	223 M106A401K	5.0	9.0	14.0	223 M106A631K	5.0	9.0	19.0	223 M106A102K
0.027	3.5	7.0	14.0	273 M106A401K	4.0	7.5	19.0	273 M106A631K	5.0	9.5	19.0	273 M106A102K
0.033	4.0	7.5	14.0	333 M106A401K	4.5	8.0	19.0	333 M106A631K	5.5	11.0	19.0	333 M106A102K
0.039	4.5	8.0	14.0	393 M106A401K	4.5	8.5	19.0	393 M106A631K	6.0	11.5	19.0	393 M106A102K
0.047	5.0	9.0	14.0	473 M106A401K	5.0	9.5	19.0	473 M106A631K	6.5	12.5	19.0	473 M106A102K
0.056	4.0	7.5	19.0	563 M106A401K	5.5	10.0	19.0	563 M106A631K	6.5	12.5	26.5	563 M106A102K
0.068	4.5	8.0	19.0	683 M106A401K	6.0	11.5	19.0	683 M106A631K	7.0	13.0	26.5	683 M106A102K
0.082	5.0	9.0	19.0	823 M106A401K	5.5	10.0	26.5	823 M106A631K	7.5	13.5	26.5	823 M106A102K
0.10	5.0	10.0	19.0	104 M106A401K	6.0	11.5	26.5	104 M106A631K	8.0	15.0	26.5	104 M106A102K
0.12	5.5	11.0	19.0	124 M106A401K	6.5	12.0	26.5	124 M106A631K	7.5	13.5	32.0	124 M106A102K
0.15	6.0	12.0	19.0	154 M106A401K	7.0	13.0	26.5	154 M106A631K	8.5	15.5	32.0	154 M106A102K
0.18	6.5	12.5	19.0	184 M106A401K	7.0	13.0	32.0	184 M106A631K	9.0	16.5	32.0	184 M106A102K
0.22	7.0	13.0	19.0	224 M106A401K	7.5	13.5	32.0	224 M106A631K	9.5	17.5	32.0	224 M106A102K
0.27	6.5	12.5	26.5	274 M106A401K	8.0	14.0	32.0	274 M106A631K	10.0	19.0	32.0	274 M106A102K
0.33	7.0	13.0	26.5	334 M106A401K	8.5	15.5	32.0	334 M106A631K	11.0	21.0	32.0	334 M106A102K
0.39	7.5	13.5	26.5	394 M106A401K	9.0	16.5	32.0	394 M106A631K	11.0	21.0	38.0	394 M106A102K
0.47	8.0	14.0	26.5	474 M106A401K	9.5	18.0	32.0	474 M106A631K	12.5	22.5	38.0	474 M106A102K
0.56	8.5	15.0	32.0	564 M106A401K	10.0	19.0	32.0	564 M106A631K	12.5	22.5	45.0	564 M106A102K
0.68	9.0	16.0	32.0	684 M106A401K	11.0	21.0	32.0	684 M106A631K	13.0	24.0	45.0	684 M106A102K
0.82	9.5	17.0	32.0	824 M106A401K	11.0	21.0	38.0	824 M106A631K	14.5	26.0	45.0	824 M106A102K
1.0	10.0	19.0	32.0	105 M106A401K	12.5	22.5	38.0	105 M106A631K	16.5	28.0	45.0	105 M106A102K
1.2	11.0	21.0	32.0	125 M106A401K	12.5	22.5	45.0	125 M106A631K	16.5	28.0	58.0	125 M106A102K
1.5	12.5	22.5	32.0	155 M106A401K	13.5	25.0	45.0	155 M106A631K	18.5	30.0	58.0	155 M106A102K
1.8	11.0	21.0	38.0	185 M106A401K	15.5	27.0	45.0	185 M106A631K	21.0	34.0	58.0	185 M106A102K
2.2	13.0	23.0	38.0	225 M106A401K	17.5	30.0	45.0	225 M106A631K	23.0	36.0	58.0	225 M106A102K
2.7	12.5	22.0	45.0	275 M106A401K	17.5	30.0	58.0	275 M106A631K	24.5	40.0	58.0	275 M106A102K
3.3	14.0	25.0	45.0	335 M106A401K	19.0	32.0	58.0	335 M106A631K	27.0	43.0	58.0	335 M106A102K
3.9	15.5	27.0	45.0	395 M106A401K	20.5	34.0	58.0	395 M106A631K	30.0	46.0	58.0	395 M106A102K
4.7	17.5	30.0	45.0	475 M106A401K	22.5	38.0	58.0	475 M106A631K	34.0	50.0	58.0	475 M106A102K
5.6	18.5	32.0	58.0	565 M106A401K	24.5	40.0	58.0	565 M106A631K				
6.8	21.0	35.0	58.0	685 M106A401K	26.5	42.0	58.0	685 M106A631K				
8.2	22.0	37.0	58.0	825 M106A401K	30.0	46.0	58.0	825 M106A631K				
10.0	24.5	40.0	58.0	106 M106A401K	34.0	50.0	58.0	106 M106A631K				

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polyester - Axial Round Wrap & Fill

TYPE: M108 Series



L	11.0	14.0	19.0	26.5	32.0	38.0	45.0	58.0
d	0.5	0.6	0.6	0.8	0.8	0.8	0.8	1.0

(mm)

CAP. (μ F)	63 VDC			100 VDC			250 VDC		
	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.001	5.0	11.0	102 M108A630K	5.0	11.0	102 M108A101K	5.0	11.0	102 M108A251K
0.0012	5.0	11.0	122 M108A630K	5.0	11.0	122 M108A101K	5.0	11.0	122 M108A251K
0.0015	5.0	11.0	152 M108A630K	5.0	11.0	152 M108A101K	5.0	11.0	152 M108A251K
0.0018	5.0	11.0	182 M108A630K	5.0	11.0	182 M108A101K	5.0	11.0	182 M108A251K
0.0022	5.0	11.0	222 M108A630K	5.0	11.0	222 M108A101K	5.0	11.0	222 M108A251K
0.0027	5.0	11.0	272 M108A630K	5.0	11.0	272 M108A101K	5.0	11.0	272 M108A251K
0.0033	5.0	11.0	332 M108A630K	5.0	11.0	332 M108A101K	5.0	11.0	332 M108A251K
0.0039	5.0	11.0	392 M108A630K	5.0	11.0	392 M108A101K	5.0	11.0	392 M108A251K
0.0047	5.0	11.0	472 M108A630K	5.0	11.0	472 M108A101K	5.0	11.0	472 M108A251K
0.0056	5.0	11.0	562 M108A630K	5.0	11.0	562 M108A101K	5.0	11.0	562 M108A251K
0.0068	5.0	11.0	682 M108A630K	5.0	11.0	682 M108A101K	5.0	11.0	682 M108A251K
0.0082	5.0	11.0	822 M108A630K	5.0	11.0	822 M108A101K	5.0	11.0	822 M108A251K
0.01	5.0	11.0	103 M108A630K	5.0	11.0	103 M108A101K	5.0	11.0	103 M108A251K
0.012	5.0	11.0	123 M108A630K	5.0	11.0	123 M108A101K	5.0	11.0	123 M108A251K
0.015	5.0	11.0	153 M108A630K	5.0	11.0	153 M108A101K	5.0	11.0	153 M108A251K
0.018	5.0	11.0	183 M108A630K	5.0	11.0	183 M108A101K	5.0	11.0	183 M108A251K
0.022	5.0	11.0	223 M108A630K	5.0	11.0	223 M108A101K	5.0	11.0	223 M108A251K
0.027	5.0	11.0	273 M108A630K	5.0	11.0	273 M108A101K	5.0	11.0	273 M108A251K
0.033	5.0	11.0	333 M108A630K	5.0	11.0	333 M108A101K	5.0	11.0	333 M108A251K
0.039	5.0	11.0	393 M108A630K	5.0	11.0	393 M108A101K	5.0	11.0	393 M108A251K
0.047	5.0	11.0	473 M108A630K	5.0	11.0	473 M108A101K	5.5	11.0	473 M108A251K
0.056	5.0	11.0	563 M108A630K	5.0	11.0	563 M108A101K	5.0	14.0	563 M108A251K
0.068	5.0	11.0	683 M108A630K	5.0	11.0	683 M108A101K	5.5	14.0	683 M108A251K
0.082	5.0	11.0	823 M108A630K	5.0	11.0	823 M108A101K	6.0	14.0	823 M108A251K
0.10	5.0	11.0	104 M108A630K	5.5	11.0	104 M108A101K	6.5	14.0	104 M108A251K
0.12	5.0	11.0	124 M108A630K	5.0	14.0	124 M108A101K	7.0	14.0	124 M108A251K
0.15	5.0	11.0	154 M108A630K	5.5	14.0	154 M108A101K	7.5	14.0	154 M108A251K
0.18	5.0	11.0	184 M108A630K	6.0	14.0	184 M108A101K	6.0	19.0	184 M108A251K
0.22	5.5	11.0	224 M108A630K	6.5	14.0	224 M108A101K	6.5	19.0	224 M108A251K
0.27	5.0	14.0	274 M108A630K	7.0	14.0	274 M108A101K	7.0	19.0	274 M108A251K
0.33	5.0	14.0	334 M108A630K	7.5	14.0	334 M108A101K	7.5	19.0	334 M108A251K
0.39	5.5	14.0	394 M108A630K	6.5	19.0	394 M108A101K	8.0	19.0	394 M108A251K
0.47	6.0	14.0	474 M108A630K	7.0	19.0	474 M108A101K	9.0	19.0	474 M108A251K
0.56	6.0	14.0	564 M108A630K	7.5	19.0	564 M108A101K	9.0	26.5	564 M108A251K
0.68	6.5	14.0	684 M108A630K	8.0	19.0	684 M108A101K	9.5	26.5	684 M108A251K
0.82	6.0	19.0	824 M108A630K	8.5	19.0	824 M108A101K	10.0	26.5	824 M108A251K
1.0	6.5	19.0	105 M108A630K	9.5	19.0	105 M108A101K	11.0	26.5	105 M108A251K
1.2	7.0	19.0	125 M108A630K	9.0	26.5	125 M108A101K	10.0	32.0	125 M108A251K
1.5	7.5	19.0	155 M108A630K	9.5	26.5	155 M108A101K	10.5	32.0	155 M108A251K
1.8	8.0	19.0	185 M108A630K	10.0	26.5	185 M108A101K	11.5	32.0	185 M108A251K
2.2	8.5	19.0	225 M108A630K	11.0	26.5	225 M108A101K	12.5	32.0	225 M108A251K
2.7	9.0	19.0	275 M108A630K	11.0	32.0	275 M108A101K	14.0	32.0	275 M108A251K
3.3	9.5	19.0	335 M108A630K	12.0	32.0	335 M108A101K	15.0	32.0	335 M108A251K
3.9	9.5	26.5	395 M108A630K	12.5	32.0	395 M108A101K	15.5	38.0	395 M108A251K
4.7	10.0	26.5	475 M108A630K	13.5	32.0	475 M108A101K	16.5	38.0	475 M108A251K
5.6	11.5	26.5	565 M108A630K	14.5	32.0	565 M108A101K	17.0	45.0	565 M108A251K
6.8	12.5	26.5	685 M108A630K	15.5	32.0	685 M108A101K	18.5	45.0	685 M108A251K
8.2	10.5	32.0	825 M108A630K	16.5	38.0	825 M108A101K	20.0	45.0	825 M108A251K
10.0	11.5	32.0	106 M108A630K	18.5	38.0	106 M108A101K	21.5	45.0	106 M108A251K
12.0	12.5	32.0	126 M108A630K	20.0	38.0	126 M108A101K	23.0	45.0	126 M108A251K
15.0	13.5	32.0	156 M108A630K	19.5	45.0	156 M108A101K	26.5	45.0	156 M108A251K
18.0	15.0	32.0	186 M108A630K	20.5	45.0	186 M108A101K	27.5	58.0	186 M108A251K
22.0	17.0	32.0	226 M108A630K	23.0	45.0	226 M108A101K	29.5	58.0	226 M108A251K

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polyester - Axial Round Wrap & Fill

TYPE: M108 Series

(mm)

CAP. (μ F)	400 VDC			630 VDC			1000 VDC		
	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.001	5.0	11.0	102 M108A401K	5.0	11.0	102 M108A631K	5.5	14.0	102 M108A102K
0.0012	5.0	11.0	122 M108A401K	5.0	11.0	122 M108A631K	5.5	14.0	122 M108A102K
0.0015	5.0	11.0	152 M108A401K	5.0	11.0	152 M108A631K	5.5	14.0	152 M108A102K
0.0018	5.0	11.0	182 M108A401K	5.0	11.0	182 M108A631K	5.5	14.0	182 M108A102K
0.0022	5.0	11.0	222 M108A401K	5.0	11.0	222 M108A631K	5.5	14.0	222 M108A102K
0.0027	5.0	11.0	272 M108A401K	5.0	11.0	272 M108A631K	5.5	14.0	272 M108A102K
0.0033	5.0	11.0	332 M108A401K	5.0	11.0	332 M108A631K	5.5	14.0	332 M108A102K
0.0039	5.0	11.0	392 M108A401K	5.0	11.0	392 M108A631K	5.5	14.0	392 M108A102K
0.0047	5.0	11.0	472 M108A401K	5.0	11.0	472 M108A631K	5.5	14.0	472 M108A102K
0.0056	5.0	11.0	562 M108A401K	5.0	14.0	562 M108A631K	5.5	14.0	562 M108A102K
0.0068	5.0	11.0	682 M108A401K	5.0	14.0	682 M108A631K	6.0	14.0	682 M108A102K
0.0082	5.0	11.0	822 M108A401K	5.5	14.0	822 M108A631K	6.0	14.0	822 M108A102K
0.01	5.0	11.0	103 M108A401K	5.5	14.0	103 M108A631K	6.5	14.0	103 M108A102K
0.012	5.5	11.0	123 M108A401K	6.0	14.0	123 M108A631K	6.0	19.0	123 M108A102K
0.015	5.5	11.0	153 M108A401K	6.5	14.0	153 M108A631K	6.5	19.0	153 M108A102K
0.018	5.0	14.0	183 M108A401K	7.0	14.0	183 M108A631K	6.5	19.0	183 M108A102K
0.022	5.5	14.0	223 M108A401K	7.5	14.0	223 M108A631K	7.0	19.0	223 M108A102K
0.027	6.0	14.0	273 M108A401K	6.0	19.0	273 M108A631K	7.5	19.0	273 M108A102K
0.033	6.0	14.0	333 M108A401K	6.5	19.0	333 M108A631K	8.0	19.0	333 M108A102K
0.039	6.5	14.0	393 M108A401K	7.0	19.0	393 M108A631K	8.5	19.0	393 M108A102K
0.047	7.0	14.0	473 M108A401K	7.5	19.0	473 M108A631K	9.5	19.0	473 M108A102K
0.056	6.0	19.0	563 M108A401K	8.0	19.0	563 M108A631K	9.5	26.5	563 M108A102K
0.068	6.5	19.0	683 M108A401K	8.5	19.0	683 M108A631K	10.5	26.5	683 M108A102K
0.082	7.0	19.0	823 M108A401K	8.0	26.5	823 M108A631K	11.0	26.5	823 M108A102K
0.10	7.5	19.0	104 M108A401K	8.5	26.5	104 M108A631K	12.0	26.5	104 M108A102K
0.12	8.0	19.0	124 M108A401K	9.0	26.5	124 M108A631K	11.0	32.0	124 M108A102K
0.15	8.5	19.0	154 M108A401K	10.0	26.5	154 M108A631K	12.5	32.0	154 M108A102K
0.18	9.0	19.0	184 M108A401K	10.5	32.0	184 M108A631K	13.0	32.0	184 M108A102K
0.22	10.0	19.0	224 M108A401K	11.0	32.0	224 M108A631K	14.0	32.0	224 M108A102K
0.27	10.0	26.5	274 M108A401K	11.5	32.0	274 M108A631K	15.0	32.0	274 M108A102K
0.33	10.5	26.5	334 M108A401K	12.5	32.0	334 M108A631K	16.5	32.0	334 M108A102K
0.39	11.0	26.5	394 M108A401K	13.0	32.0	394 M108A631K	16.5	38.0	394 M108A102K
0.47	12.0	26.5	474 M108A401K	14.0	32.0	474 M108A631K	18.0	38.0	474 M108A102K
0.56	12.0	32.0	564 M108A401K	15.5	32.0	564 M108A631K	18.5	45.0	564 M108A102K
0.68	13.0	32.0	684 M108A401K	16.5	32.0	684 M108A631K	19.0	45.0	684 M108A102K
0.82	14.0	32.0	824 M108A401K	16.5	38.0	824 M108A631K	20.0	45.0	824 M108A102K
1.0	15.0	32.0	105 M108A401K	18.0	38.0	105 M108A631K	23.0	45.0	105 M108A102K
1.2	16.5	32.0	125 M108A401K	18.5	45.0	125 M108A631K	23.0	58.0	125 M108A102K
1.5	18.0	32.0	155 M108A401K	19.5	45.0	155 M108A631K	25.0	58.0	155 M108A102K
1.8	17.0	38.0	185 M108A401K	21.5	45.0	185 M108A631K	27.0	58.0	185 M108A102K
2.2	18.5	38.0	225 M108A401K	23.5	45.0	225 M108A631K	30.0	58.0	225 M108A102K
2.7	18.5	45.0	275 M108A401K	24.0	58.0	275 M108A631K	32.5	58.0	275 M108A102K
3.3	20.0	45.0	335 M108A401K	25.0	58.0	335 M108A631K	35.5	58.0	335 M108A102K
3.9	21.5	45.0	395 M108A401K	27.5	58.0	395 M108A631K	38.0	58.0	395 M108A102K
4.7	23.5	45.0	475 M108A401K	29.5	58.0	475 M108A631K	42.0	58.0	475 M108A102K
5.6	25.0	58.0	565 M108A401K	32.0	58.0	565 M108A631K			
6.8	27.0	58.0	685 M108A401K	35.0	58.0	685 M108A631K			
8.2	29.5	58.0	825 M108A401K	38.5	58.0	825 M108A631K			
10.0	32.0	58.0	106 M108A401K	42.0	58.0	106 M108A631K			

*Other Values, Voltages, And Dimensions Are Available On Request



Polyester Film & Foil - Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
M202	Radial Box	0.0001 To 1.0	±1% To ±20%	3 - 20
M204	Radial Epoxy Dip	0.0001 To 1.0	±1% To ±20%	3 - 22
M206	Axial Oval Wrap & Fill	0.001 To 2.2	±1% To ±20%	3 - 24
M208	Axial Round Wrap & Fill	0.0001 To 2.2	±1% To ±20%	3 - 26

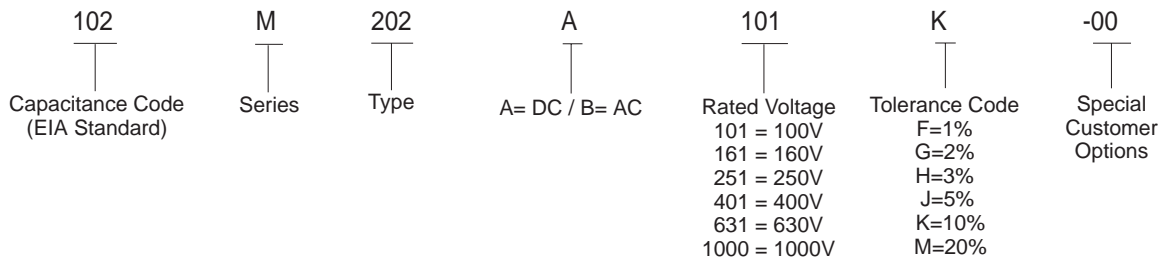
Features

- 1) Extended foil, non-inductive construction
- 2) Low inductance and high current capability
- 3) Small physical size and lightweight
- 4) Excellent insulation resistance
- 5) Wide temperature range

Applications

- 1) Filters
- 2) Bypassing
- 3) Coupling and decoupling
- 4) Computers and peripherals
- 5) Industrial controls
- 6) Communications equipment
- 7) Aircraft and missile systems

Part Numbering System



Specifications

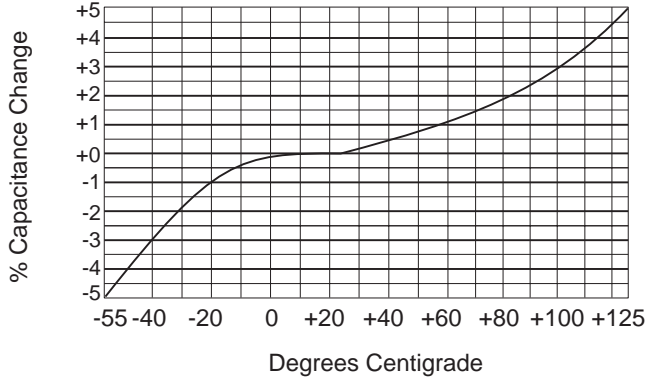
- 1) Operating Temperature Range: -55°C To +85°C with full Rated Voltage applied, to +125°C with 50% voltage derating
- 2) Dissipation Factor: 0.8% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 100VDC, 160VDC, 250VDC, 400VDC, 630VDC, 1000VDC
- 4) Dielectric Strength: 250% of rated voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at rated DC voltage or 500VDC, the minimum IR shall be ≥ 50,000 Megohms
- 6) Capacitance Change: Temperature coefficient +400 (±200) PPM/°C



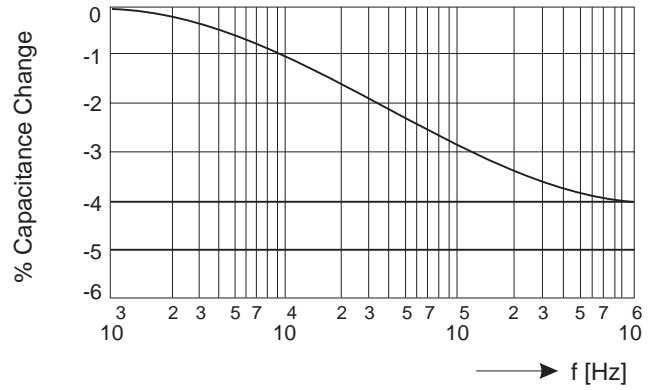
Polyester Film & Foil

TYPE: M202, M204, M206, M208 Series

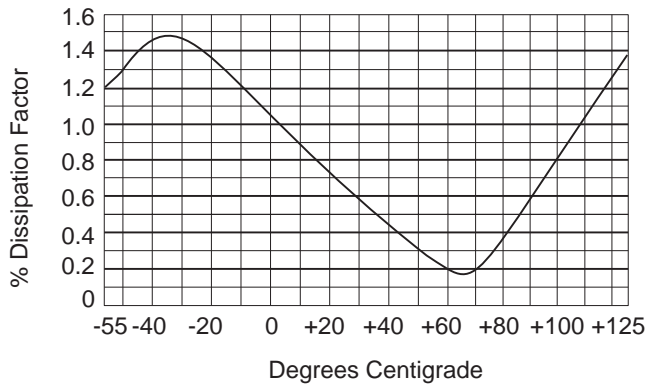
Capacitance Change vs. Temperature At 1KHz



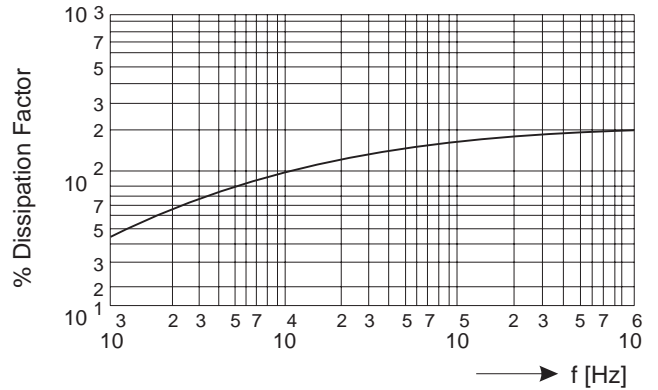
Capacitance Change vs. Frequency (Room Temp.)



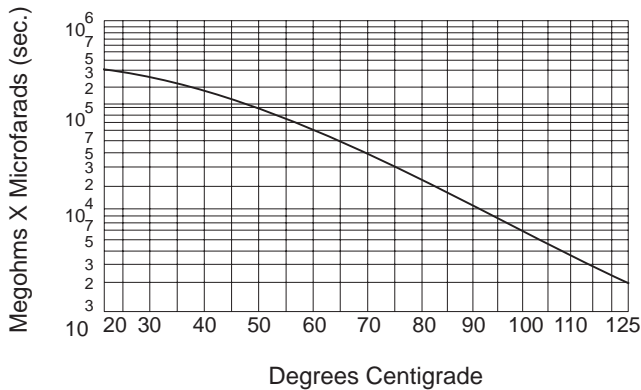
Dissipation Factor vs. Temperature At 1KHz



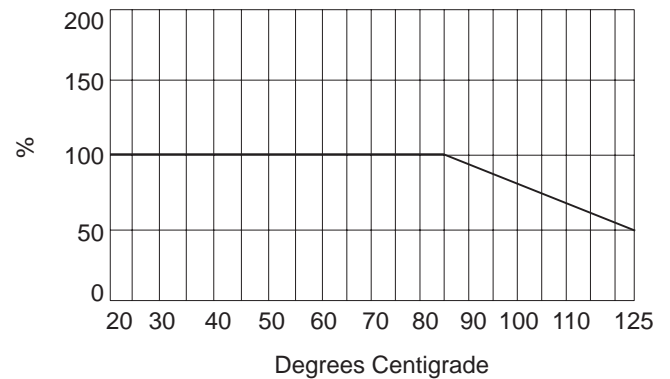
Dissipation Factor vs. Frequency (Room Temp.)



Insulation Resistance vs. Temperature



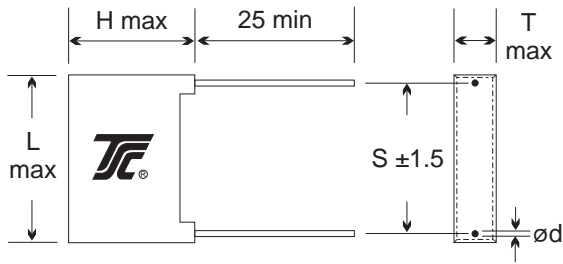
Voltage Derating vs. Temperature





Polyester Film & Foil - Radial Box

TYPE: M202 Series



L	10.5	13.0	18.0	26.5	32.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (µF)	100 VDC				160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	9.0	10.5	101M202A101K	4.0	9.0	10.5	101M202A161K	4.0	9.0	10.5	101M202A251K
0.00012	4.0	9.0	10.5	121M202A101K	4.0	9.0	10.5	121M202A161K	4.0	9.0	10.5	121M202A251K
0.00015	4.0	9.0	10.5	151M202A101K	4.0	9.0	10.5	151M202A161K	4.0	9.0	10.5	151M202A251K
0.00018	4.0	9.0	10.5	181M202A101K	4.0	9.0	10.5	181M202A161K	4.0	9.0	10.5	181M202A251K
0.00022	4.0	9.0	10.5	221M202A101K	4.0	9.0	10.5	221M202A161K	4.0	9.0	10.5	221M202A251K
0.00027	4.0	9.0	10.5	271M202A101K	4.0	9.0	10.5	271M202A161K	4.0	9.0	10.5	271M202A251K
0.00033	4.0	9.0	10.5	331M202A101K	4.0	9.0	10.5	331M202A161K	4.0	9.0	10.5	331M202A251K
0.00039	4.0	9.0	10.5	391M202A101K	4.0	9.0	10.5	391M202A161K	4.0	9.0	10.5	391M202A251K
0.00047	4.0	9.0	10.5	471M202A101K	4.0	9.0	10.5	471M202A161K	4.0	9.0	10.5	471M202A251K
0.00056	4.0	9.0	10.5	561M202A101K	4.0	9.0	10.5	561M202A161K	4.0	9.0	10.5	561M202A251K
0.00068	4.0	9.0	10.5	681M202A101K	4.0	9.0	10.5	681M202A161K	4.0	9.0	10.5	681M202A251K
0.00082	4.0	9.0	10.5	821M202A101K	4.0	9.0	10.5	821M202A161K	4.0	9.0	10.5	821M202A251K
0.001	4.0	9.0	10.5	102M202A101K	4.0	9.0	10.5	102M202A161K	4.0	9.0	10.5	102M202A251K
0.0012	4.0	9.0	10.5	122M202A101K	4.0	9.0	10.5	122M202A161K	4.0	9.0	10.5	122M202A251K
0.0015	4.0	9.0	10.5	152M202A101K	4.0	9.0	10.5	152M202A161K	4.0	9.0	10.5	152M202A251K
0.0018	4.0	9.0	10.5	182M202A101K	4.0	9.0	10.5	182M202A161K	4.0	9.0	10.5	182M202A251K
0.0022	4.0	9.0	10.5	222M202A101K	4.0	9.0	10.5	222M202A161K	4.0	9.0	10.5	222M202A251K
0.0027	4.0	9.0	10.5	272M202A101K	4.0	9.0	10.5	272M202A161K	4.0	9.0	10.5	272M202A251K
0.0033	4.0	9.0	10.5	332M202A101K	4.0	9.0	10.5	332M202A161K	4.0	9.0	10.5	332M202A251K
0.0039	4.0	9.0	10.5	392M202A101K	4.0	9.0	10.5	392M202A161K	4.0	9.0	10.5	392M202A251K
0.0047	4.0	9.0	10.5	472M202A101K	4.0	9.0	10.5	472M202A161K	4.0	9.0	10.5	472M202A251K
0.0056	4.0	9.0	10.5	562M202A101K	4.0	9.0	10.5	562M202A161K	4.0	9.0	10.5	562M202A251K
0.0068	4.0	9.0	10.5	682M202A101K	4.0	9.0	10.5	682M202A161K	4.0	9.0	10.5	682M202A251K
0.0082	4.0	9.0	10.5	822M202A101K	4.0	9.0	10.5	822M202A161K	4.0	9.0	13.0	822M202A251K
0.01	4.0	9.0	10.5	103M202A101K	4.0	9.0	10.5	103M202A161K	4.0	9.0	13.0	103M202A251K
0.012	4.0	9.0	10.5	123M202A101K	4.0	9.0	13.0	123M202A161K	4.0	9.0	13.0	123M202A251K
0.015	4.0	9.0	10.5	153M202A101K	4.0	9.0	13.0	153M202A161K	5.0	11.0	13.0	153M202A251K
0.018	4.0	9.0	10.5	183M202A101K	4.0	9.0	13.0	183M202A161K	5.0	11.0	13.0	183M202A251K
0.022	4.0	9.0	10.5	223M202A101K	5.0	11.0	13.0	223M202A161K	6.0	12.0	13.0	223M202A251K
0.027	4.0	9.0	13.0	273M202A101K	5.0	11.0	13.0	273M202A161K	5.0	11.0	18.0	273M202A251K
0.033	4.0	9.0	13.0	333M202A101K	6.0	12.0	13.0	333M202A161K	5.0	11.0	18.0	333M202A251K
0.039	5.0	11.0	13.0	393M202A101K	5.0	11.0	18.0	393M202A161K	5.0	11.0	18.0	393M202A251K
0.047	5.0	11.0	13.0	473M202A101K	5.0	11.0	18.0	473M202A161K	6.0	12.0	18.0	473M202A251K
0.056	6.0	12.0	13.0	563M202A101K	5.0	11.0	18.0	563M202A161K	6.0	12.0	18.0	563M202A251K
0.068	6.0	12.0	13.0	683M202A101K	6.0	12.0	18.0	683M202A161K	7.5	13.5	18.0	683M202A251K
0.082	5.0	11.0	18.0	823M202A101K	6.0	12.0	18.0	823M202A161K	7.5	13.5	18.0	823M202A251K
0.1	5.0	11.0	18.0	104M202A101K	7.5	13.5	18.0	104M202A161K	8.5	15.0	18.0	104M202A251K
0.12	6.0	12.0	18.0	124M202A101K	7.5	13.5	18.0	124M202A161K	7.0	16.5	26.5	124M202A251K
0.15	6.0	12.0	18.0	154M202A101K	8.5	15.0	18.0	154M202A161K	8.5	17.0	26.5	154M202A251K
0.18	7.5	13.5	18.0	184M202A101K	7.0	16.5	26.5	184M202A161K	8.5	17.0	26.5	184M202A251K
0.22	8.5	15.0	18.0	224M202A101K	8.5	17.0	26.5	224M202A161K	10.0	19.0	26.5	224M202A251K
0.27	7.0	16.5	26.5	274M202A101K	8.5	17.0	26.5	274M202A161K	11.0	20.0	32.0	274M202A251K
0.33	8.5	17.0	26.5	334M202A101K	10.0	19.0	26.5	334M202A161K	11.0	20.0	32.0	334M202A251K
0.39	8.5	17.0	26.5	394M202A101K	11.0	20.0	32.0	394M202A161K	13.0	22.0	32.0	394M202A251K
0.47	10.0	19.0	26.5	474M202A101K	11.0	20.0	32.0	474M202A161K	13.0	22.0	32.0	474M202A251K
0.56	11.0	20.0	32.0	564M202A101K	11.0	20.0	32.0	564M202A161K				
0.68	11.0	20.0	32.0	684M202A101K	13.0	22.0	32.0	684M202A161K				
0.82	11.0	20.0	32.0	824M202A101K	15.0	25.0	32.0	824M202A161K				
1.0	13.0	22.0	32.0	105M202A101K	18.0	30.0	32.0	105M202A161K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polyester Film & Foil - Radial Box

TYPE: M202 Series

(mm)

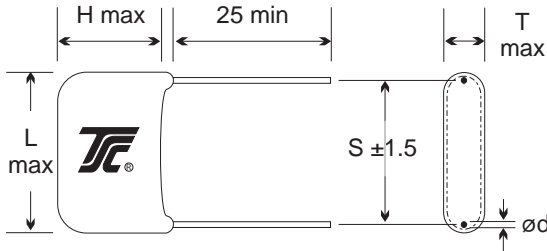
CAP. (μF)	400 VDC				630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	9.0	10.5	101M202A401K								
0.00012	4.0	9.0	10.5	121M202A401K								
0.00015	4.0	9.0	10.5	151M202A401K								
0.00018	4.0	9.0	10.5	181M202A401K								
0.00022	4.0	9.0	10.5	221M202A401K								
0.00027	4.0	9.0	10.5	271M202A401K								
0.00033	4.0	9.0	10.5	331M202A401K								
0.00039	4.0	9.0	10.5	391M202A401K								
0.00047	4.0	9.0	10.5	471M202A401K								
0.00056	4.0	9.0	10.5	561M202A401K								
0.00068	4.0	9.0	10.5	681M202A401K								
0.00082	4.0	9.0	10.5	821M202A401K								
0.001	4.0	9.0	10.5	102M202A401K	4.0	9.0	10.5	102M202A631K	4.0	9.0	13.0	102M202A1000K
0.0012	4.0	9.0	10.5	122M202A401K	4.0	9.0	10.5	122M202A631K	4.0	9.0	13.0	122M202A1000K
0.0015	4.0	9.0	10.5	152M202A401K	4.0	9.0	10.5	152M202A631K	4.0	9.0	13.0	152M202A1000K
0.0018	4.0	9.0	10.5	182M202A401K	4.0	9.0	13.0	182M202A631K	5.0	11.0	13.0	182M202A1000K
0.0022	4.0	9.0	10.5	222M202A401K	4.0	9.0	13.0	222M202A631K	5.0	11.0	13.0	222M202A1000K
0.0027	4.0	9.0	10.5	272M202A401K	4.0	9.0	13.0	272M202A631K	5.0	11.0	13.0	272M202A1000K
0.0033	4.0	9.0	10.5	332M202A401K	5.0	11.0	13.0	332M202A631K	6.0	12.0	13.0	332M202A1000K
0.0039	4.0	9.0	10.5	392M202A401K	5.0	11.0	13.0	392M202A631K	5.0	11.0	18.0	392M202A1000K
0.0047	4.0	9.0	10.5	472M202A401K	5.0	11.0	13.0	472M202A631K	5.0	11.0	18.0	472M202A1000K
0.0056	4.0	9.0	13.0	562M202A401K	6.0	12.0	13.0	562M202A631K	5.0	11.0	18.0	562M202A1000K
0.0068	4.0	9.0	13.0	682M202A401K	6.0	12.0	13.0	682M202A631K	6.0	12.0	18.0	682M202A1000K
0.0082	5.0	11.0	13.0	822M202A401K	5.0	11.0	18.0	822M202A631K	7.5	13.5	18.0	822M202A1000K
0.01	5.0	11.0	13.0	103M202A401K	5.0	11.0	18.0	103M202A631K	7.5	13.5	18.0	103M202A1000K
0.012	6.0	12.0	13.0	123M202A401K	6.0	12.0	18.0	123M202A631K	8.5	15.0	18.0	123M202A1000K
0.015	6.0	12.0	13.0	153M202A401K	6.0	12.0	18.0	153M202A631K	8.5	15.0	18.0	153M202A1000K
0.018	5.0	11.0	18.0	183M202A401K	7.5	13.5	18.0	183M202A631K	7.0	16.5	26.5	183M202A1000K
0.022	5.0	11.0	18.0	223M202A401K	7.5	13.5	18.0	223M202A631K	7.0	16.5	26.5	223M202A1000K
0.027	6.0	12.0	18.0	273M202A401K	7.0	16.5	26.5	273M202A631K	8.5	17.0	26.5	273M202A1000K
0.033	6.0	12.0	18.0	333M202A401K	7.0	16.5	26.5	333M202A631K	10.0	19.0	26.5	333M202A1000K
0.039	7.5	13.5	18.0	393M202A401K	8.5	17.0	26.5	393M202A631K	11.0	20.0	32.0	393M202A1000K
0.047	7.5	13.5	18.0	473M202A401K	8.5	17.0	26.5	473M202A631K	11.0	20.0	32.0	473M202A1000K
0.056	7.0	16.5	26.5	563M202A401K	10.0	19.0	26.5	563M202A631K	11.0	20.0	32.0	563M202A1000K
0.068	7.0	16.5	26.5	683M202A401K	10.0	19.0	26.5	683M202A631K	13.0	22.0	32.0	683M202A1000K
0.082	8.5	17.0	26.5	823M202A401K	11.0	20.0	32.0	823M202A631K	13.0	22.0	32.0	823M202A1000K
0.1	8.5	17.0	26.5	104M202A401K	11.0	20.0	32.0	104M202A631K	15.0	25.0	32.0	104M202A1000K
0.12	10.0	19.0	26.5	124M202A401K	13.0	22.0	32.0	124M202A631K				
0.15	10.0	19.0	26.5	154M202A401K	15.0	25.0	32.0	154M202A631K				
0.18	11.0	20.0	32.0	184M202A401K	18.0	30.0	32.0	184M202A631K				
0.22	11.0	20.0	32.0	224M202A401K	18.0	30.0	32.0	224M202A631K				
0.27	13.0	22.0	32.0	274M202A401K								
0.33	15.0	25.0	32.0	334M202A401K								
0.39	18.0	30.0	32.0	394M202A401K								
0.47	18.0	30.0	32.0	474M202A401K								

*Other Values, Voltages, And Dimensions Are Available On Request



Polyester Film & Foil - Radial Epoxy Dip

TYPE: M204 Series



L	10.5	13.0	18.5	26.0	31.0	36.0	44.0
S	7.5	10.0	15.0	22.5	27.5	32.0	38.0
d	0.6	0.6	0.8	0.8	0.8	0.8	0.8

(mm)

CAP. (μF)	100 VDC				160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	8.0	10.5	101M204A101K	4.0	8.0	10.5	101M204A161K	4.0	8.0	10.5	101M204A251K
0.00012	4.0	8.0	10.5	121M204A101K	4.0	8.0	10.5	121M204A161K	4.0	8.0	10.5	121M204A251K
0.00015	4.0	8.0	10.5	151M204A101K	4.0	8.0	10.5	151M204A161K	4.0	8.0	10.5	151M204A251K
0.00018	4.0	8.0	10.5	181M204A101K	4.0	8.0	10.5	181M204A161K	4.0	8.0	10.5	181M204A251K
0.00022	4.0	8.0	10.5	221M204A101K	4.0	8.0	10.5	221M204A161K	4.0	8.0	10.5	221M204A251K
0.00027	4.0	8.0	10.5	271M204A101K	4.0	8.0	10.5	271M204A161K	4.0	8.0	10.5	271M204A251K
0.00033	4.0	8.0	10.5	331M204A101K	4.0	8.0	10.5	331M204A161K	4.0	8.0	10.5	331M204A251K
0.00039	4.0	8.0	10.5	391M204A101K	4.0	8.0	10.5	391M204A161K	4.0	8.0	10.5	391M204A251K
0.00047	4.0	8.0	10.5	471M204A101K	4.0	8.0	10.5	471M204A161K	4.0	8.0	10.5	471M204A251K
0.00056	4.0	8.0	10.5	561M204A101K	4.0	8.0	10.5	561M204A161K	4.0	8.0	10.5	561M204A251K
0.00068	4.0	8.0	10.5	681M204A101K	4.0	8.0	10.5	681M204A161K	4.0	8.0	10.5	681M204A251K
0.00082	4.0	8.0	10.5	821M204A101K	4.0	8.0	10.5	821M204A161K	4.0	8.0	10.5	821M204A251K
0.001	4.0	8.0	10.5	102M204A101K	4.0	8.0	10.5	102M204A161K	4.0	8.0	10.5	102M204A251K
0.0012	4.0	8.0	10.5	122M204A101K	4.0	8.0	10.5	122M204A161K	4.0	8.0	10.5	122M204A251K
0.0015	4.0	8.0	10.5	152M204A101K	4.0	8.0	10.5	152M204A161K	4.0	8.0	10.5	152M204A251K
0.0018	4.0	8.0	10.5	182M204A101K	4.0	8.0	10.5	182M204A161K	4.0	8.0	10.5	182M204A251K
0.0022	4.0	8.0	10.5	222M204A101K	4.5	8.0	10.5	222M204A161K	4.5	8.5	10.5	222M204A251K
0.0027	4.0	8.0	10.5	272M204A101K	4.5	8.0	10.5	272M204A161K	4.5	8.5	10.5	272M204A251K
0.0033	4.5	8.0	10.5	332M204A101K	4.5	9.0	10.5	332M204A161K	4.5	9.0	10.5	332M204A251K
0.0039	4.5	8.0	10.5	392M204A101K	4.5	9.0	10.5	392M204A161K	4.5	9.0	10.5	392M204A251K
0.0047	4.5	8.5	10.5	472M204A101K	4.5	9.0	10.5	472M204A161K	4.5	9.0	10.5	472M204A251K
0.0056	4.5	8.5	10.5	562M204A101K	4.5	9.0	10.5	562M204A161K	4.5	9.0	10.5	562M204A251K
0.0068	4.5	9.0	10.5	682M204A101K	4.5	9.0	10.5	682M204A161K	4.5	9.0	10.5	682M204A251K
0.0082	4.5	9.0	10.5	822M204A101K	4.5	9.0	10.5	822M204A161K	4.5	9.0	13.0	822M204A251K
0.01	4.5	9.0	10.5	103M204A101K	4.5	9.0	10.5	103M204A161K	4.5	9.0	13.0	103M204A251K
0.012	4.5	9.0	10.5	123M204A101K	4.5	8.5	13.0	123M204A161K	4.5	9.0	13.0	123M204A251K
0.015	4.5	9.0	10.5	153M204A101K	4.5	9.0	13.0	153M204A161K	5.0	10.0	13.0	153M204A251K
0.018	4.5	9.0	10.5	183M204A101K	4.5	9.5	13.0	183M204A161K	5.5	11.0	13.0	183M204A251K
0.022	4.5	9.0	10.5	223M204A101K	5.0	10.0	13.0	223M204A161K	6.0	12.0	13.0	223M204A251K
0.027	4.5	9.0	13.0	273M204A101K	5.5	11.0	13.0	273M204A161K	5.0	10.0	18.5	273M204A251K
0.033	5.0	9.5	13.0	333M204A101K	6.0	12.5	13.0	333M204A161K	5.5	10.5	18.5	333M204A251K
0.039	5.0	10.0	13.0	393M204A101K	5.0	10.0	18.5	393M204A161K	5.5	11.0	18.5	393M204A251K
0.047	5.5	11.0	13.0	473M204A101K	5.5	10.5	18.5	473M204A161K	6.0	12.0	18.5	473M204A251K
0.056	6.0	12.0	13.0	563M204A101K	5.5	11.0	18.5	563M204A161K	6.5	12.5	18.5	563M204A251K
0.068	6.5	12.5	13.0	683M204A101K	6.0	12.0	18.5	683M204A161K	7.0	13.0	18.5	683M204A251K
0.082	5.0	10.0	18.5	823M204A101K	6.5	12.5	18.5	823M204A161K	7.5	14.0	18.5	823M204A251K
0.1	5.5	11.0	18.5	104M204A101K	7.5	13.5	18.5	104M204A161K	8.5	15.5	18.5	104M204A251K
0.12	6.0	12.0	18.5	124M204A101K	8.0	14.0	18.5	124M204A161K	8.0	14.0	26.0	124M204A251K
0.15	6.5	12.5	18.5	154M204A101K	8.5	16.0	18.5	154M204A161K	8.5	15.5	26.0	154M204A251K
0.18	7.5	13.5	18.5	184M204A101K	8.0	14.0	26.0	184M204A161K	9.0	16.5	26.0	184M204A251K
0.22	8.5	15.5	18.5	224M204A101K	8.5	15.5	26.0	224M204A161K	9.5	18.0	26.0	224M204A251K
0.27	8.0	14.0	26.0	274M204A101K	9.0	16.5	26.0	274M204A161K	9.5	18.0	31.0	274M204A251K
0.33	8.5	15.5	26.0	334M204A101K	9.5	18.0	26.0	334M204A161K	10.0	20.0	31.0	334M204A251K
0.39	9.0	16.5	26.0	394M204A101K	9.5	18.0	31.0	394M204A161K	11.0	21.0	31.0	394M204A251K
0.47	9.5	18.0	26.0	474M204A101K	10.0	20.0	31.0	474M204A161K	12.0	22.0	31.0	474M204A251K
0.56	9.0	16.5	31.0	564M204A101K	11.0	21.0	31.0	564M204A161K	13.0	24.0	31.0	564M204A251K
0.68	9.5	18.0	31.0	684M204A101K	12.5	22.0	31.0	684M204A161K	14.5	26.0	31.0	684M204A251K
0.82	10.5	20.0	31.0	824M204A101K	13.0	24.0	31.0	824M204A161K	14.5	26.0	36.0	824M204A251K
1.0	12.5	24.0	31.0	105M204A101K	15.0	26.0	31.0	105M204A161K	16.5	30.0	36.0	105M204A251K

*Other Values, Voltages, And Dimensions Are Available On Request



Polyester Film & Foil - Radial Epoxy Dip

TYPE: M204 Series

(mm)

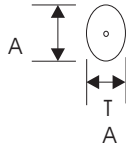
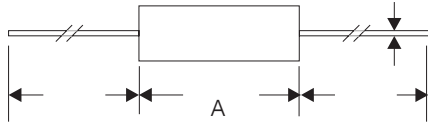
CAP. (μF)	400 VDC				630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	8.0	10.5	101M204A401K								
0.00012	4.0	8.0	10.5	121M204A401K								
0.00015	4.0	8.0	10.5	151M204A401K								
0.00018	4.0	8.0	10.5	181M204A401K								
0.00022	4.0	8.0	10.5	221M204A401K								
0.00027	4.0	8.0	10.5	271M204A401K								
0.00033	4.0	8.0	10.5	331M204A401K								
0.00039	4.0	8.0	10.5	391M204A401K								
0.00047	4.0	8.0	10.5	471M204A401K								
0.00056	4.0	8.0	10.5	561M204A401K								
0.00068	4.0	8.0	10.5	681M204A401K								
0.00082	4.0	8.0	10.5	821M204A401K								
0.001	4.0	8.0	10.5	102M204A401K	4.0	9.0	10.5	102M204A631K	4.5	9.0	13.0	102M204A1000K
0.0012	4.0	8.0	10.5	122M204A401K	4.0	9.0	10.5	122M204A631K	4.5	9.5	13.0	122M204A1000K
0.0015	4.5	9.0	10.5	152M204A401K	4.5	9.5	10.5	152M204A631K	5.0	10.0	13.0	152M204A1000K
0.0018	4.5	9.0	10.5	182M204A401K	4.0	8.0	13.0	182M204A631K	5.0	10.5	13.0	182M204A1000K
0.0022	4.5	9.0	10.5	222M204A401K	4.5	8.5	13.0	222M204A631K	5.5	11.0	13.0	222M204A1000K
0.0027	4.5	9.0	10.5	272M204A401K	4.5	8.5	13.0	272M204A631K	5.5	11.5	13.0	272M204A1000K
0.0033	4.5	9.0	10.5	332M204A401K	4.5	9.0	13.0	332M204A631K	6.0	12.0	13.0	332M204A1000K
0.0039	4.5	9.0	10.5	392M204A401K	5.0	9.5	13.0	392M204A631K	5.0	10.0	18.5	392M204A1000K
0.0047	4.5	9.5	10.5	472M204A401K	5.0	10.0	13.0	472M204A631K	5.5	11.0	18.5	472M204A1000K
0.0056	4.5	9.5	13.0	562M204A401K	5.5	11.0	13.0	562M204A631K	6.0	11.5	18.5	562M204A1000K
0.0068	5.0	10.0	13.0	682M204A401K	6.0	12.0	13.0	682M204A631K	6.0	12.5	18.5	682M204A1000K
0.0082	5.5	10.5	13.0	822M204A401K	5.5	11.0	18.5	822M204A631K	7.0	13.0	18.5	822M204A1000K
0.01	5.5	11.0	13.0	103M204A401K	6.0	12.0	18.5	103M204A631K	7.5	14.0	18.5	103M204A1000K
0.012	6.0	12.0	13.0	123M204A401K	6.5	12.5	18.5	123M204A631K	8.0	14.5	18.5	123M204A1000K
0.015	6.5	12.5	13.0	153M204A401K	7.0	13.0	18.5	153M204A631K	9.0	16.5	18.5	153M204A1000K
0.018	5.5	11.0	18.5	183M204A401K	7.5	13.5	18.5	183M204A631K	8.0	14.0	26.0	183M204A1000K
0.022	6.0	12.0	18.5	223M204A401K	8.0	14.5	18.5	223M204A631K	8.5	15.5	26.0	223M204A1000K
0.027	6.5	12.5	18.5	273M204A401K	7.0	13.0	26.0	273M204A631K	9.0	16.5	26.0	273M204A1000K
0.033	7.5	13.5	18.5	333M204A401K	7.5	14.0	26.0	333M204A631K	9.5	18.0	26.0	333M204A1000K
0.039	8.0	14.0	18.5	393M204A401K	8.5	15.0	26.0	393M204A631K	9.5	18.0	31.0	393M204A1000K
0.047	8.5	15.5	18.5	473M204A401K	9.0	16.5	26.0	473M204A631K	10.0	19.0	31.0	473M204A1000K
0.056	7.5	13.5	26.0	563M204A401K	9.5	17.0	26.0	563M204A631K	10.5	20.0	31.0	563M204A1000K
0.068	8.0	14.0	26.0	683M204A401K	10.0	19.0	26.0	683M204A631K	12.0	22.0	31.0	683M204A1000K
0.082	8.5	15.5	26.0	823M204A401K	10.0	19.0	31.0	823M204A631K	12.5	23.0	31.0	823M204A1000K
0.1	9.0	16.5	26.0	104M204A401K	10.5	20.0	31.0	104M204A631K	15.0	27.0	31.0	104M204A1000K
0.12	9.5	18.0	26.0	124M204A401K	11.5	22.0	31.0	124M204A631K	13.5	24.0	36.0	124M204A1000K
0.15	10.5	20.0	26.0	154M204A401K	14.0	24.0	31.0	154M204A631K	15.0	27.0	36.0	154M204A1000K
0.18	10.0	19.0	31.0	184M204A401K	15.0	26.0	31.0	184M204A631K	14.5	26.0	44.0	184M204A1000K
0.22	11.5	20.0	31.0	224M204A401K	16.5	30.0	31.0	224M204A631K	16.0	28.0	44.0	224M204A1000K
0.27	12.5	22.0	31.0	274M204A401K	16.0	28.0	36.0	274M204A631K				
0.33	13.5	24.0	31.0	334M204A401K	17.5	32.0	36.0	334M204A631K				
0.39	15.0	27.0	31.0	394M204A401K	16.5	30.0	44.0	394M204A631K				
0.47	17.5	32.0	31.0	474M204A401K	18.0	32.0	44.0	474M204A631K				
0.56	14.0	25.0	44.0	564M204A401K								
0.68	15.0	27.0	44.0	684M204A401K								
0.82	16.5	30.0	44.0	824M204A401K								
1.0	18.0	32.0	44.0	105M204A401K								

*Other Values, Voltages, And Dimensions Are Available On Request



Polyester Film & Foil - Axial Oval Wrap & Fill

TYPE: M206 Series



L	11.0	14.0	19.0	26.5	32.0	38.0	45.0	58.0
d	0.5	0.6	0.6	0.8	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	100 VDC				160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102 M206A101K	3.5	6.0	11.0	102 M206A161K	3.5	6.0	11.0	102 M206A251K
0.0012	3.5	6.0	11.0	122 M206A101K	3.5	6.0	11.0	122 M206A161K	3.5	6.0	11.0	122 M206A251K
0.0015	3.5	6.0	11.0	152 M206A101K	3.5	6.0	11.0	152 M206A161K	3.5	6.0	11.0	152 M206A251K
0.0018	3.5	6.0	11.0	182 M206A101K	3.5	6.0	11.0	182 M206A161K	3.5	6.0	11.0	182 M206A251K
0.0022	3.5	6.0	11.0	222 M206A101K	3.5	6.0	11.0	222 M206A161K	3.5	6.0	11.0	222 M206A251K
0.0027	3.5	6.0	11.0	272 M206A101K	3.5	6.0	11.0	272 M206A161K	3.5	6.0	11.0	272 M206A251K
0.0033	3.5	6.0	11.0	332 M206A101K	3.5	6.0	11.0	332 M206A161K	3.5	6.0	11.0	332 M206A251K
0.0039	3.5	6.0	11.0	392 M206A101K	3.5	6.0	11.0	392 M206A161K	3.5	6.0	11.0	392 M206A251K
0.0047	3.5	6.0	11.0	472 M206A101K	3.5	6.0	11.0	472 M206A161K	3.5	6.0	11.0	472 M206A251K
0.0056	3.5	6.0	11.0	562 M206A101K	3.5	6.0	11.0	562 M206A161K	3.5	6.0	11.0	562 M206A251K
0.0068	3.5	6.0	11.0	682 M206A101K	3.5	6.0	11.0	682 M206A161K	3.5	6.5	11.0	682 M206A251K
0.0082	3.5	6.0	11.0	822 M206A101K	3.5	6.0	11.0	822 M206A161K	3.5	6.0	14.0	822 M206A251K
0.01	3.5	6.0	11.0	103 M206A101K	3.5	6.5	11.0	103 M206A161K	3.5	6.0	14.0	103 M206A251K
0.012	3.5	6.0	11.0	123 M206A101K	3.5	6.0	14.0	123 M206A161K	3.5	6.5	14.0	123 M206A251K
0.015	3.5	6.0	11.0	153 M206A101K	3.5	6.0	14.0	153 M206A161K	4.0	7.5	14.0	153 M206A251K
0.018	3.5	6.0	11.0	183 M206A101K	3.5	6.5	14.0	183 M206A161K	4.0	8.0	14.0	183 M206A251K
0.022	3.5	6.5	11.0	223 M206A101K	4.0	7.5	14.0	223 M206A161K	4.5	8.5	14.0	223 M206A251K
0.027	3.5	6.0	14.0	273 M206A101K	4.5	8.0	14.0	273 M206A161K	4.0	7.0	19.0	273 M206A251K
0.033	3.5	6.5	14.0	333 M206A101K	5.0	9.0	14.0	333 M206A161K	4.0	7.5	19.0	333 M206A251K
0.039	4.0	7.5	14.0	393 M206A101K	4.0	7.0	19.0	393 M206A161K	4.5	8.5	19.0	393 M206A251K
0.047	4.5	8.0	14.0	473 M206A101K	4.0	7.5	19.0	473 M206A161K	5.0	9.0	19.0	473 M206A251K
0.056	3.5	6.5	19.0	563 M206A101K	4.5	8.0	19.0	563 M206A161K	5.0	10.0	19.0	563 M206A251K
0.068	4.0	7.0	19.0	683 M206A101K	5.0	9.5	19.0	683 M206A161K	5.5	11.0	19.0	683 M206A251K
0.082	4.0	7.5	19.0	823 M206A101K	5.0	10.0	19.0	823 M206A161K	5.0	10.0	26.5	823 M206A251K
0.10	4.5	8.0	19.0	104 M206A101K	5.5	11.0	19.0	104 M206A161K	5.5	11.0	26.5	104 M206A251K
0.12	5.0	9.0	19.0	124 M206A101K	5.5	11.0	26.5	124 M206A161K	6.0	12.0	26.5	124 M206A251K
0.15	5.5	10.5	19.0	154 M206A101K	6.0	12.0	26.5	154 M206A161K	6.5	12.5	26.5	154 M206A251K
0.18	6.0	12.0	19.0	184 M206A101K	6.5	12.5	26.5	184 M206A161K	7.5	13.5	26.5	184 M206A251K
0.22	6.5	12.5	19.0	224 M206A101K	7.0	13.0	26.5	224 M206A161K	8.0	14.5	26.5	224 M206A251K
0.27	6.0	12.0	26.5	274 M206A101K	7.5	14.0	26.5	274 M206A161K	8.0	14.5	32.0	274 M206A251K
0.33	7.0	13.0	26.5	334 M206A101K	8.0	15.0	26.5	334 M206A161K	8.5	15.5	32.0	334 M206A251K
0.39	7.5	13.5	26.5	394 M206A101K	8.0	15.0	32.0	394 M206A161K	9.0	16.5	32.0	394 M206A251K
0.47	8.0	14.5	26.5	474 M206A101K	8.5	15.0	32.0	474 M206A161K	9.5	17.5	32.0	474 M206A251K
0.56	7.5	13.5	32.0	564 M206A101K	9.0	16.5	32.0	564 M206A161K	9.5	17.5	38.0	564 M206A251K
0.68	8.0	15.0	32.0	684 M206A101K	9.5	18.0	32.0	684 M206A161K	10.5	20.0	38.0	684 M206A251K
0.82	9.0	16.5	32.0	824 M206A101K	9.0	16.5	38.0	824 M206A161K	10.5	20.0	45.0	824 M206A251K
1.0	9.5	18.5	32.0	105 M206A101K	9.5	18.5	38.0	105 M206A161K	12.0	22.0	45.0	105 M206A251K
1.2	11.0	21.0	38.0	125 M206A101K	10.0	20.0	45.0	125 M206A161K	13.0	23.0	45.0	125 M206A251K
1.5	13.0	23.0	38.0	155 M206A101K	12.0	22.0	45.0	155 M206A161K	14.5	25.0	45.0	155 M206A251K
1.8	12.0	22.0	45.0	185 M206A101K	13.0	23.0	45.0	185 M206A161K	14.0	24.0	58.0	185 M206A251K
2.2	13.0	23.0	45.0	225 M206A101K	15.0	25.0	45.0	225 M206A161K	15.5	26.5	58.0	225 M206A251K

*Other Values, Voltages, And Dimensions Are Available On Request



Polyester Film & Foil - Axial Oval Wrap & Fill

TYPE: M206 Series

(mm)

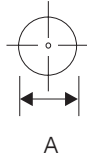
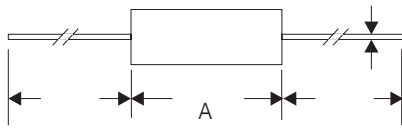
CAP. (μF)	400 VDC				630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102 M206A401K	3.5	6.0	11.0	102 M206A631K	3.5	6.0	14.0	102 M206A1000K
0.0012	3.5	6.0	11.0	122 M206A401K	3.5	6.0	11.0	122 M206A631K	3.5	6.0	14.0	122 M206A1000K
0.0015	3.5	6.0	11.0	152 M206A401K	3.5	6.0	11.0	152 M206A631K	3.5	6.5	14.0	152 M206A1000K
0.0018	3.5	6.0	11.0	182 M206A401K	3.5	6.0	14.0	182 M206A631K	4.0	7.0	14.0	182 M206A1000K
0.0022	3.5	6.0	11.0	222 M206A401K	3.5	6.0	14.0	222 M206A631K	4.5	8.0	14.0	222 M206A1000K
0.0027	3.5	6.0	11.0	272 M206A401K	3.5	6.5	14.0	272 M206A631K	4.0	7.5	14.0	272 M206A1000K
0.0033	3.5	6.0	11.0	332 M206A401K	4.0	7.0	14.0	332 M206A631K	4.5	8.5	14.0	332 M206A1000K
0.0039	3.5	6.0	14.0	392 M206A401K	4.0	8.0	14.0	392 M206A631K	4.0	7.0	19.0	392 M206A1000K
0.0047	3.5	6.0	14.0	472 M206A401K	4.5	8.5	14.0	472 M206A631K	4.0	7.5	19.0	472 M206A1000K
0.0056	3.5	6.5	14.0	562 M206A401K	3.5	6.5	19.0	562 M206A631K	4.5	8.0	19.0	562 M206A1000K
0.0068	4.0	7.0	14.0	682 M206A401K	4.0	7.0	19.0	682 M206A631K	5.0	9.0	19.0	682 M206A1000K
0.0082	4.0	7.5	14.0	822 M206A401K	4.5	7.5	19.0	822 M206A631K	5.5	11.0	19.0	822 M206A1000K
0.01	4.5	8.0	14.0	103 M206A401K	4.5	8.5	19.0	103 M206A631K	6.0	11.5	19.0	103 M206A1000K
0.012	3.5	6.5	19.0	123 M206A401K	5.0	9.0	19.0	123 M206A631K	5.5	10.0	26.5	123 M206A1000K
0.015	4.0	7.5	19.0	153 M206A401K	5.5	10.0	19.0	153 M206A631K	6.0	11.0	26.5	153 M206A1000K
0.018	4.5	8.0	19.0	183 M206A401K	5.5	11.0	19.0	183 M206A631K	6.0	12.0	26.5	183 M206A1000K
0.022	5.0	9.0	19.0	223 M206A401K	6.0	12.0	19.0	223 M206A631K	6.5	12.5	26.5	223 M206A1000K
0.027	5.0	9.5	19.0	273 M206A401K	5.5	11.0	26.5	273 M206A631K	7.0	13.0	26.5	273 M206A1000K
0.033	5.5	10.5	19.0	333 M206A401K	6.0	12.0	26.5	333 M206A631K	8.0	14.0	26.5	333 M206A1000K
0.039	6.0	11.0	19.0	393 M206A401K	6.5	12.5	26.5	393 M206A631K	7.5	13.5	32.0	393 M206A1000K
0.047	6.5	12.0	19.0	473 M206A401K	7.5	13.5	26.5	473 M206A631K	8.0	15.0	32.0	473 M206A1000K
0.056	6.0	11.0	26.5	563 M206A401K	8.0	14.0	26.5	563 M206A631K	8.5	15.5	32.0	563 M206A1000K
0.068	6.0	12.0	26.5	683 M206A401K	8.5	15.5	26.5	683 M206A631K	9.0	16.5	32.0	683 M206A1000K
0.082	6.5	12.5	26.5	823 M206A401K	8.5	15.5	32.0	823 M206A631K	9.0	16.5	38.0	823 M206A1000K
0.10	7.5	13.5	26.5	104 M206A401K	9.0	16.5	32.0	104 M206A631K	9.5	18.0	38.0	104 M206A1000K
0.12	7.5	13.5	32.0	124 M206A401K	9.5	17.0	32.0	124 M206A631K	10.5	20.0	38.0	124 M206A1000K
0.15	8.0	14.0	32.0	154 M206A401K	10.5	20.0	32.0	154 M206A631K	12.0	22.0	38.0	154 M206A1000K
0.18	8.5	15.0	32.0	184 M206A401K	10.5	20.0	38.0	184 M206A631K	11.5	21.5	45.0	184 M206A1000K
0.22	9.0	16.5	32.0	224 M206A401K	11.5	21.5	38.0	224 M206A631K	13.0	23.0	45.0	224 M206A1000K
0.27	9.0	17.0	38.0	274 M206A401K	11.5	21.5	45.0	274 M206A631K	14.5	25.0	45.0	274 M206A1000K
0.33	10.0	19.0	38.0	334 M206A401K	13.0	23.0	45.0	334 M206A631K	16.0	27.0	45.0	334 M206A1000K
0.39	11.0	21.0	38.0	394 M206A401K	13.5	25.0	45.0	394 M206A631K	15.5	26.0	58.0	394 M206A1000K
0.47	12.5	22.5	38.0	474 M206A401K	15.0	26.0	45.0	474 M206A631K	18.0	30.0	58.0	474 M206A1000K
0.56	11.5	21.5	45.0	564 M206A401K	15.0	26.0	58.0	564 M206A631K				
0.68	12.5	22.5	45.0	684 M206A401K	16.5	27.0	58.0	684 M206A631K				
0.82	13.5	24.0	45.0	824 M206A401K	18.5	30.0	58.0	824 M206A631K				
1.0	15.5	26.5	45.0	105 M206A401K	19.5	32.0	58.0	105 M206A631K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polyester Film & Foil - Axial Round Wrap & Fill

TYPE: M208 Series



L	11.0	14.0	19.0	26.5	32.0	38.0	45.0	58.0
d	0.5	0.6	0.6	0.8	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	100 VDC			160 VDC			250 VDC		
	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.0001	4.5	11.0	101M208A101K	4.5	11.0	101 M208A161K	4.5	11.0	101 M208A251K
0.00012	4.5	11.0	121M208A101K	4.5	11.0	121 M208A161K	4.5	11.0	121 M208A251K
0.00015	4.5	11.0	151M208A101K	4.5	11.0	151 M208A161K	4.5	11.0	151 M208A251K
0.00018	4.5	11.0	181M208A101K	4.5	11.0	181 M208A161K	4.5	11.0	181 M208A251K
0.00022	4.5	11.0	221M208A101K	4.5	11.0	221 M208A161K	4.5	11.0	221 M208A251K
0.00027	4.5	11.0	271M208A101K	4.5	11.0	271 M208A161K	4.5	11.0	271 M208A251K
0.00033	4.5	11.0	331M208A101K	4.5	11.0	331 M208A161K	4.5	11.0	331 M208A251K
0.00039	4.5	11.0	391M208A101K	4.5	11.0	391 M208A161K	4.5	11.0	391 M208A251K
0.00047	4.5	11.0	471M208A101K	4.5	11.0	471 M208A161K	4.5	11.0	471 M208A251K
0.00056	4.5	11.0	561M208A101K	4.5	11.0	561 M208A161K	4.5	11.0	561 M208A251K
0.00068	4.5	11.0	681M208A101K	4.5	11.0	681 M208A161K	4.5	11.0	681 M208A251K
0.00082	4.5	11.0	821M208A101K	4.5	11.0	821 M208A161K	4.5	11.0	821 M208A251K
0.001	4.5	11.0	102M208A101K	4.5	11.0	102 M208A161K	4.5	11.0	102 M208A251K
0.0012	4.5	11.0	122M208A101K	4.5	11.0	122 M208A161K	4.5	11.0	122 M208A251K
0.0015	4.5	11.0	152M208A101K	4.5	11.0	152 M208A161K	4.5	11.0	152 M208A251K
0.0018	4.5	11.0	182M208A101K	4.5	11.0	182 M208A161K	4.5	11.0	182 M208A251K
0.0022	4.5	11.0	222M208A101K	4.5	11.0	222 M208A161K	4.5	11.0	222 M208A251K
0.0027	4.5	11.0	272M208A101K	4.5	11.0	272 M208A161K	4.5	11.0	272 M208A251K
0.0033	4.5	11.0	332M208A101K	4.5	11.0	332 M208A161K	4.5	11.0	332 M208A251K
0.0039	4.5	11.0	392M208A101K	4.5	11.0	392 M208A161K	4.5	11.0	392 M208A251K
0.0047	4.5	11.0	472M208A101K	4.5	11.0	472 M208A161K	4.5	11.0	472 M208A251K
0.0056	4.5	11.0	562M208A101K	4.5	11.0	562 M208A161K	5.0	11.0	562 M208A251K
0.0068	4.5	11.0	682M208A101K	4.5	11.0	682 M208A161K	5.0	11.0	682 M208A251K
0.0082	4.5	11.0	822M208A101K	4.5	11.0	822 M208A161K	5.0	14.0	822 M208A251K
0.01	4.5	11.0	103M208A101K	5.0	11.0	103 M208A161K	5.0	14.0	103 M208A251K
0.012	4.5	11.0	123M208A101K	5.0	14.0	123 M208A161K	5.5	14.0	123 M208A251K
0.015	4.5	11.0	153M208A101K	5.5	14.0	153 M208A161K	6.0	14.0	153 M208A251K
0.018	5.0	11.0	183M208A101K	6.0	14.0	183 M208A161K	6.5	14.0	183 M208A251K
0.022	5.5	11.0	223M208A101K	6.5	14.0	223 M208A161K	7.0	14.0	223 M208A251K
0.027	5.0	14.0	273M208A101K	6.5	14.0	273 M208A161K	6.0	19.0	273 M208A251K
0.033	6.0	14.0	333M208A101K	7.0	14.0	333 M208A161K	6.5	19.0	333 M208A251K
0.039	6.0	14.0	393M208A101K	6.0	19.0	393 M208A161K	7.0	19.0	393 M208A251K
0.047	6.5	14.0	473M208A101K	6.5	19.0	473 M208A161K	7.5	19.0	473 M208A251K
0.056	5.5	19.0	563M208A101K	7.0	19.0	563 M208A161K	8.0	19.0	563 M208A251K
0.068	6.0	19.0	683M208A101K	7.5	19.0	683 M208A161K	8.5	19.0	683 M208A251K
0.082	6.5	19.0	823M208A101K	8.0	19.0	823 M208A161K	8.0	26.5	823 M208A251K
0.10	6.5	19.0	104M208A101K	8.5	19.0	104 M208A161K	8.5	26.5	104 M208A251K
0.12	7.0	19.0	124M208A101K	8.0	26.5	124 M208A161K	9.0	26.5	124 M208A251K
0.15	8.5	19.0	154M208A101K	9.0	26.5	154 M208A161K	10.0	26.5	154 M208A251K
0.18	9.0	19.0	184M208A101K	9.5	26.5	184 M208A161K	10.5	26.5	184 M208A251K
0.22	9.5	19.0	224M208A101K	10.0	26.5	224 M208A161K	12.0	26.5	224 M208A251K
0.27	9.5	26.5	274M208A101K	11.0	26.5	274 M208A161K	11.5	32.0	274 M208A251K
0.33	10.0	26.5	334M208A101K	12.5	26.5	334 M208A161K	12.5	32.0	334 M208A251K
0.39	10.5	26.5	394M208A101K	12.0	32.0	394 M208A161K	13.5	32.0	394 M208A251K
0.47	12.0	26.5	474M208A101K	13.0	32.0	474 M208A161K	14.5	32.0	474 M208A251K
0.56	11.0	32.0	564M208A101K	13.5	32.0	564 M208A161K	15.0	38.0	564 M208A251K
0.68	12.0	32.0	684M208A101K	14.5	32.0	684 M208A161K	16.5	38.0	684 M208A251K
0.82	13.0	32.0	824M208A101K	13.5	38.0	824 M208A161K	16.0	45.0	824 M208A251K
1.0	14.5	32.0	105M208A101K	15.0	38.0	105 M208A161K	18.0	45.0	105 M208A251K
1.2	16.5	38.0	125M208A101K	16.0	45.0	125 M208A161K	19.0	45.0	125 M208A251K
1.5	18.5	38.0	155M208A101K	18.0	45.0	155 M208A161K	21.0	45.0	155 M208A251K
1.8	18.0	45.0	185M208A101K	19.5	45.0	185 M208A161K	20.0	58.0	185 M208A251K
2.2	19.5	45.0	225M208A101K	21.0	45.0	225 M208A161K	22.5	58.0	225 M208A251K

*Other Values, Voltages, And Dimensions Are Available On Request



Polyester Film & Foil - Axial Round Wrap & Fill

TYPE: M208 Series

(mm)

CAP. (μ F)	400 VDC			630 VDC			1000 VDC		
	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.0001	4.5	11.0	101M208A401K						
0.00012	4.5	11.0	121M108A401K						
0.00015	4.5	11.0	151M208A401K						
0.00018	4.5	11.0	181M208A401K						
0.00022	4.5	11.0	221M208A401K						
0.00027	4.5	11.0	271M208A401K						
0.00033	4.5	11.0	331M208A401K						
0.00039	4.5	11.0	391M208A401K						
0.00047	4.5	11.0	471M208A401K						
0.00056	4.5	11.0	561M208A401K						
0.00068	4.5	11.0	681M208A401K						
0.00082	4.5	11.0	821M208A401K						
0.001	4.5	11.0	102M208A401K	5.0	11.0	102M208A631K	5.0	14.0	102M208A1000K
0.0012	4.5	11.0	122M208A401K	5.0	11.0	122M208A631K	5.0	14.0	122M208A1000K
0.0015	4.5	11.0	152M208A401K	5.0	11.0	152M208A631K	5.5	14.0	152M208A1000K
0.0018	4.5	11.0	182M208A401K	5.0	14.0	182M208A631K	6.0	14.0	182M208A1000K
0.0022	4.5	11.0	222M208A401K	5.5	14.0	222M208A631K	6.5	14.0	222M208A1000K
0.0027	5.0	11.0	272M208A401K	6.0	14.0	272M208A631K	6.5	14.0	272M208A1000K
0.0033	5.0	11.0	332M208A401K	6.0	14.0	332M208A631K	7.0	14.0	332M208A1000K
0.0039	5.0	14.0	392M208A401K	6.5	14.0	392M208A631K	6.0	19.0	392M208A1000K
0.0047	5.0	14.0	472M208A401K	7.0	14.0	472M208A631K	6.5	19.0	472M208A1000K
0.0056	5.5	14.0	562M208A401K	5.5	19.0	562M208A631K	7.0	19.0	562M208A1000K
0.0068	6.0	14.0	682M208A401K	6.0	19.0	682M208A631K	7.5	19.0	682M208A1000K
0.0082	6.5	14.0	822M208A401K	6.5	19.0	822M208A631K	8.5	19.0	822M208A1000K
0.01	7.0	14.0	103M208A401K	7.0	19.0	103M208A631K	9.0	19.0	103M208A1000K
0.012	5.5	19.0	123M208A401K	7.5	19.0	123M208A631K	8.0	26.5	123M208A1000K
0.015	6.0	19.0	153M208A401K	8.0	19.0	153M208A631K	8.5	26.5	153M208A1000K
0.018	6.5	19.0	183M208A401K	8.5	19.0	183M208A631K	9.0	26.5	183M208A1000K
0.022	7.0	19.0	223M208A401K	9.0	19.0	223M208A631K	9.5	26.5	223M208A1000K
0.027	7.5	19.0	273M208A401K	9.0	26.5	273M208A631K	10.5	26.5	273M208A1000K
0.033	8.0	19.0	333M208A401K	9.5	26.5	333M208A631K	11.5	26.5	333M208A1000K
0.039	8.5	19.0	393M208A401K	10.0	26.5	393M208A631K	11.0	32.0	393M208A1000K
0.047	9.5	19.0	473M208A401K	11.0	26.5	473M208A631K	12.0	32.0	473M208A1000K
0.056	9.0	26.5	563M208A401K	12.0	26.5	563M208A631K	13.0	32.0	563M208A1000K
0.068	9.5	26.5	683M208A401K	13.0	26.5	683M208A631K	14.0	32.0	683M208A1000K
0.082	10.0	26.5	823M208A401K	12.5	32.0	823M208A631K	14.0	38.0	823M208A1000K
0.10	10.5	26.5	104M208A401K	13.5	32.0	104M208A631K	15.5	38.0	104M208A1000K
0.12	10.0	32.0	124M208A401K	14.5	32.0	124M208A631K	16.5	38.0	124M208A1000K
0.15	11.5	32.0	154M208A401K	16.0	32.0	154M208A631K	18.0	38.0	154M208A1000K
0.18	12.5	32.0	184M208A401K	15.5	38.0	184M208A631K	17.5	45.0	184M208A1000K
0.22	14.0	32.0	224M208A401K	17.0	38.0	224M208A631K	19.0	45.0	224M208A1000K
0.27	14.0	38.0	274M208A401K	17.0	45.0	274M208A631K	20.5	45.0	274M208A1000K
0.33	15.5	38.0	334M208A401K	18.5	45.0	334M208A631K	23.0	45.0	334M208A1000K
0.39	16.5	38.0	394M208A401K	20.0	45.0	394M208A631K	22.5	58.0	394M208A1000K
0.47	18.0	38.0	474M208A401K	22.0	45.0	474M208A631K	24.5	58.0	474M208A1000K
0.56	17.0	45.0	564M208A401K	22.0	58.0	564M208A631K			
0.68	18.5	45.0	684M208A401K	23.5	58.0	684M208A631K			
0.82	20.0	45.0	824M208A401K	25.0	58.0	824M208A631K			
1.0	22.0	45.0	105M208A401K	26.5	58.0	105M208A631K			

*Other Values, Voltages, And Dimensions Are Available On Request



AC Metallized Polyester - Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
M302	Radial Box	0.01 To 4.7	±5% To ±20%	3 - 30
M304	Radial Epoxy Dip	0.01 To 10.0	±5% To ±20%	3 - 32
M306	Axial Oval Wrap & Fill	0.01 To 10.0	±5% To ±20%	3 - 34
M308	Axial Round Wrap & Fill	0.01 To 10.0	±5% To ±20%	3 - 36

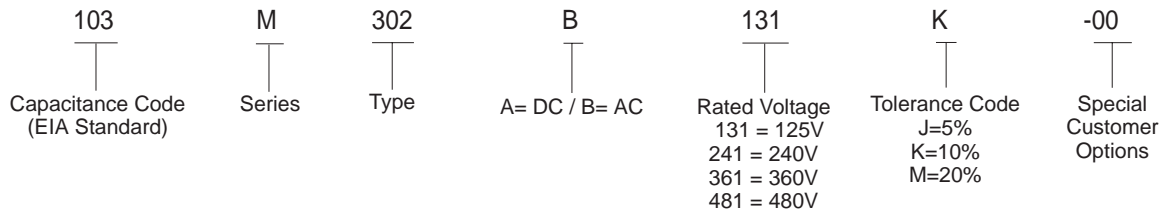
Features

- 1) Extended Foil, Non-Inductive Construction
- 2) Self healing properties
- 3) Low Dissipation factor and high stability of capacitance
- 4) High insulation resistance and high humidity resistance
- 5) Wide Temperature range

Applications

- 1) Snubber circuits for relay protection
- 2) Noise Suppression
- 3) By-Passing/Coupling
- 4) Filters/Networks
- 5) Motor run and power factor correction
- 6) 360VAC and 480VAC can be used at Across-the-Line
- 7) Switching Power Supplies

Part Numbering System



Specifications

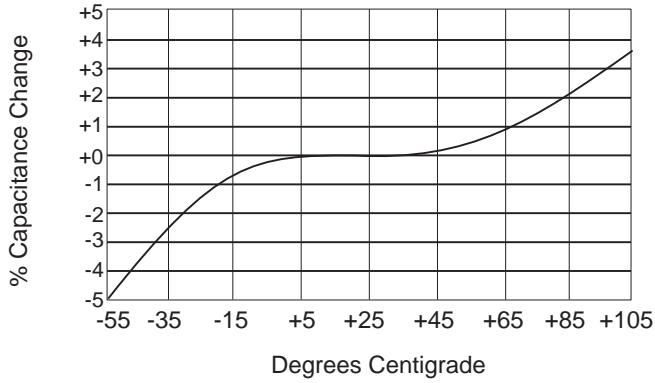
- 1) Operating Temperature Range: -55°C To +85°C with full Rated Voltage applied, to +105°C with 50% of Rated Voltage
- 2) Dissipation Factor: 1.0% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 125VAC, 240VAC, 360VAC, 480VAC At 50/60Hz, +25°C
- 4) Dielectric Strength:
 - Terminal To Terminal (60 sec): 125VAC Rated for 500VDC, 240VAC Rated for 800VDC, 360VAC Rated for 1200VDC, 480VAC Rated for 2000VDC
 - Terminal To Enclosure (2 sec): 2000VAC
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at 100VDC, the minimum IR shall be ≥30,000 Megohms for C≤ 0.33uF
≥10,000 Megohms X MFD(sec) for C>0.33uF
- 6) Capacitance Change: <±3% at -25°C to +85°C



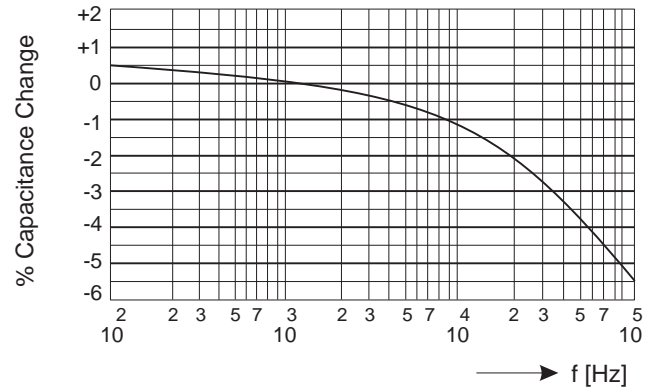
AC Metallized Polyester

TYPE: M302, M304, M306, M308 Series

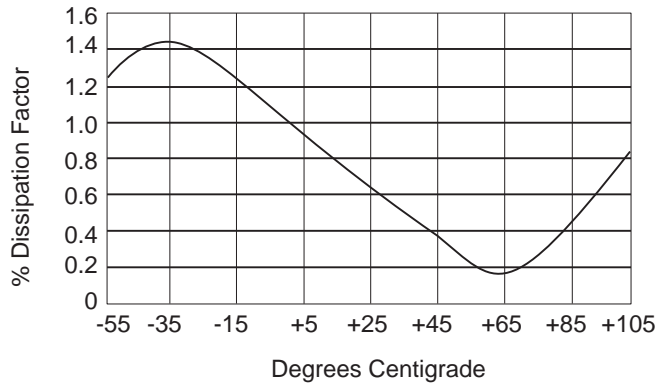
Capacitance Change vs. Temperature At 1KHz



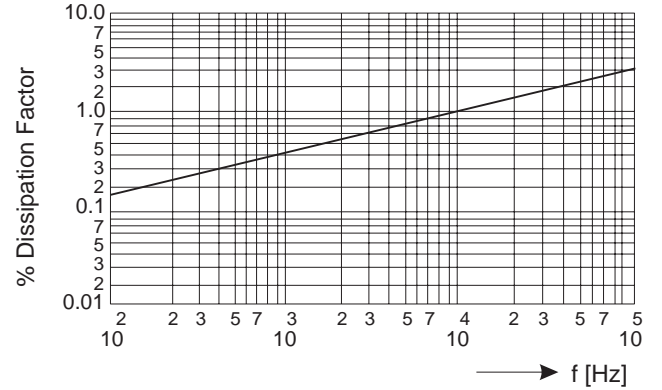
Capacitance Change vs. Frequency (Room Temp.)



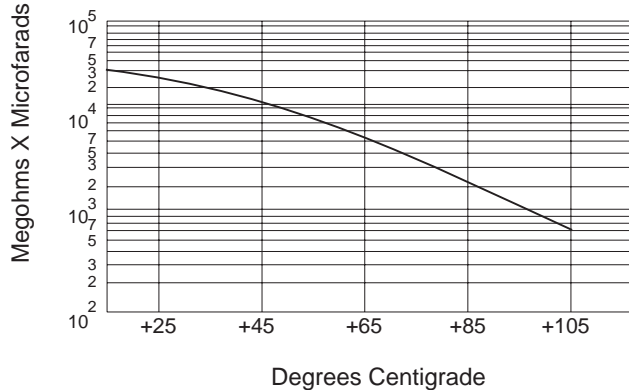
Dissipation Factor vs. Temperature At 1KHz



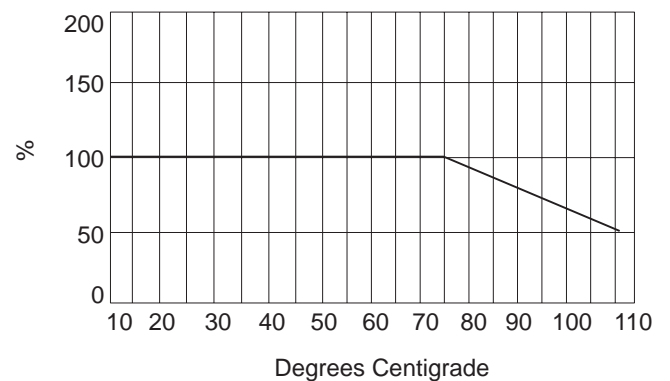
Dissipation Factor vs. Frequency (Room Temp.)



Insulation Resistance vs. Temperature



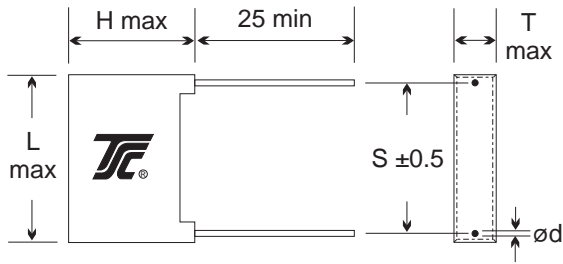
Voltage Derating vs. Temperature





AC Metallized Polyester - Radial Box

TYPE: M302 Series



L	10.5	13.0	18.0	26.5	32.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (µF)	125 VAC				240 VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	4.0	9.0	10.5	103 M302B131K	4.0	9.0	10.5	103 M302B241K
0.012	4.0	9.0	10.5	123 M302B131K	4.0	9.0	10.5	123 M302B241K
0.015	4.0	9.0	10.5	153 M302B131K	4.0	9.0	10.5	153 M302B241K
0.018	4.0	9.0	10.5	183 M302B131K	4.0	9.0	13.0	183 M302B241K
0.022	4.0	9.0	10.5	223 M302B131K	4.0	9.0	13.0	223 M302B241K
0.027	4.0	9.0	10.5	273 M302B131K	5.0	11.0	13.0	273 M302B241K
0.033	4.0	9.0	10.5	333 M302B131K	5.0	11.0	13.0	333 M302B241K
0.039	4.0	9.0	13.0	393 M302B131K	6.0	12.0	13.0	393 M302B241K
0.047	4.0	9.0	13.0	473 M302B131K	6.0	12.0	13.0	473 M302B241K
0.056	4.0	9.0	13.0	563 M302B131K	5.0	11.0	18.0	563 M302B241K
0.068	4.0	9.0	13.0	683 M302B131K	5.0	11.0	18.0	683 M302B241K
0.082	5.0	11.0	13.0	823 M302B131K	6.0	12.0	18.0	823 M302B241K
0.10	5.0	11.0	13.0	104 M302B131K	6.0	12.0	18.0	104 M302B241K
0.12	6.0	12.0	13.0	124 M302B131K	7.5	13.5	18.0	124 M302B241K
0.15	6.0	12.0	13.0	154 M302B131K	7.5	13.5	18.0	154 M302B241K
0.18	5.0	11.0	18.0	184 M302B131K	6.0	15.0	26.5	184 M302B241K
0.22	5.0	11.0	18.0	224 M302B131K	7.0	16.5	26.5	224 M302B241K
0.27	6.0	12.0	18.0	274 M302B131K	7.0	16.5	26.5	274 M302B241K
0.33	6.0	12.0	18.0	334 M302B131K	8.5	17.0	26.5	334 M302B241K
0.39	7.5	13.5	18.0	394 M302B131K	8.5	17.0	26.5	394 M302B241K
0.47	7.5	13.5	18.0	474 M302B131K	10.0	19.0	26.5	474 M302B241K
0.56	6.0	15.0	26.5	564 M302B131K	11.0	20.0	32.0	564 M302B241K
0.68	7.0	16.5	26.5	684 M302B131K	11.0	20.0	32.0	684 M302B241K
0.82	8.5	17.0	26.5	824 M302B131K	13.0	22.0	32.0	824 M302B241K
1.0	8.5	17.0	26.5	105 M302B131K	13.0	22.0	32.0	105 M302B241K
1.2	10.0	19.0	26.5	125 M302B131K	15.0	25.0	32.0	125 M302B241K
1.5	10.0	19.0	26.5	155 M302B131K	15.0	25.0	32.0	155 M302B241K
1.8	11.0	20.0	32.0	185 M302B131K	18.0	30.0	32.0	185 M302B241K
2.2	11.0	20.0	32.0	225 M302B131K	18.0	30.0	32.0	225 M302B241K
2.7	13.0	22.0	32.0	275 M302B131K				
3.3	13.0	22.0	32.0	335 M302B131K				
3.9	15.0	25.0	32.0	395 M302B131K				
4.7	18.0	30.0	32.0	475 M302B131K				

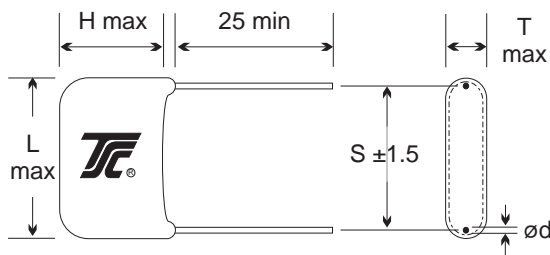
CAP. (µF)	360 VAC			480 VAC				
	T	H	L	Part No.	T	H	L	Part No.
0.01	5.0	11.0	18.0	103 M302B361K	6.0	12.0	18.0	103 M302B481K
0.012	5.0	11.0	18.0	123 M302B361K	6.0	12.0	18.0	123 M302B481K
0.015	5.0	11.0	18.0	153 M302B361K	7.5	13.5	18.0	153 M302B481K
0.018	5.0	11.0	18.0	183 M302B361K	7.5	13.5	18.0	183 M302B481K
0.022	5.0	11.0	18.0	223 M302B361K	7.5	13.5	18.0	223 M302B481K
0.027	6.0	12.0	18.0	273 M302B361K	8.5	15.0	18.0	273 M302B481K
0.033	6.0	12.0	18.0	333 M302B361K	8.5	15.0	18.0	333 M302B481K
0.039	7.5	13.5	18.0	393 M302B361K	7.0	16.5	26.5	393 M302B481K
0.047	7.5	13.5	18.0	473 M302B361K	7.0	16.5	26.5	473 M302B481K
0.056	7.5	13.5	18.0	563 M302B361K	8.5	17.0	26.5	563 M302B481K
0.068	8.5	15.0	18.0	683 M302B631K	8.5	17.0	26.5	683 M302B481K
0.082	8.5	15.0	18.0	823 M302B361K	10.0	19.0	26.5	823 M302B481K
0.10	8.5	15.0	18.0	104 M302B361K	10.0	19.0	26.5	104 M302B481K
0.12	7.0	16.5	26.5	124 M302B361K	11.0	20.0	32.0	124 M302B481K
0.15	8.5	17.0	26.5	154 M302B361K	11.0	20.0	32.0	154 M302B481K
0.18	10.0	19.0	26.5	184 M302B361K	13.0	22.0	32.0	184 M302B481K
0.22	10.0	19.0	26.5	224 M302B361K	15.0	25.0	32.0	224 M302B481K
0.27	11.0	20.0	32.0	274 M302B361K	15.0	25.0	32.0	274 M302B481K
0.33	11.0	20.0	32.0	334 M302B361K	18.0	30.0	32.0	334 M302B481K
0.39	13.0	22.0	32.0	394 M302B361K	18.0	30.0	32.0	394 M302B481K
0.47	13.0	22.0	32.0	474 M302B361K	18.0	30.0	32.0	474 M302B481K
0.56	15.0	25.0	32.0	564 M302B361K				
0.68	15.0	25.0	32.0	684 M302B361K				
0.82	18.0	30.0	32.0	824 M302B361K				
1.0	18.0	30.0	32.0	105 M302B361K				

*Other Values, Voltages, And Dimensions Are Available On Request



AC Metallized Polyester - Radial Epoxy Dipped

TYPE: M304 Series



L	10.5	13.0	18.5	26.0	31.0	44.0
S	7.5	10.0	15.0	22.5	27.5	38.0
d	0.6	0.6	0.8	0.8	0.8	0.8

(mm)

CAP. (μ F)	125 VAC				Part No.	240 VAC			
	T	H	L			T	H	L	Part No.
0.01	4.0	8.5	10.5		103M304B131K	4.0	8.5	10.5	103M304B241K
0.012	4.0	8.5	10.5		123M304B131K	4.0	8.5	10.5	123M304B241K
0.015	4.0	8.5	10.5		153M304B131K	4.5	9.0	10.5	153M304B241K
0.018	4.0	8.5	10.5		183M304B131K	4.0	9.0	13.0	183M304B241K
0.022	4.0	8.5	10.5		223M304B131K	4.5	9.0	13.0	223M304B241K
0.027	4.0	9.0	10.5		273M304B131K	4.5	9.5	13.0	273M304B241K
0.033	4.5	9.0	10.5		333M304B131K	5.0	10.0	13.0	333M304B241K
0.039	4.0	9.0	13.0		393M304B131K	6.0	11.0	13.0	393M304B241K
0.047	4.0	9.0	13.0		473M304B131K	6.5	12.0	13.0	473M304B241K
0.056	4.0	9.0	13.0		563M304B131K	5.0	10.0	18.5	563M304B241K
0.068	4.5	9.0	13.0		683M304B131K	5.5	11.0	18.5	683M304B241K
0.082	4.5	9.5	13.0		823M304B131K	6.0	11.5	18.5	823M304B241K
0.10	5.0	10.0	13.0		104M304B131K	6.5	12.5	18.5	104M304B241K
0.12	5.5	11.0	13.0		124M304B131K	7.0	13.0	18.5	124M304B241K
0.15	6.0	12.0	18.5		154M304B131K	7.5	13.5	18.5	154M304B241K
0.18	5.0	10.5	18.5		184M304B131K	6.5	12.5	26.0	184M304B241K
0.22	5.5	11.0	18.5		224M304B131K	7.0	13.0	26.0	224M304B241K
0.27	6.0	12.0	18.5		274M304B131K	8.0	14.5	26.0	274M304B241K
0.33	6.5	12.5	18.5		334M304B131K	8.5	16.0	26.0	334M304B241K
0.39	7.0	13.0	18.5		394M304B131K	9.0	17.0	26.0	394M304B241K
0.47	7.5	13.5	26.0		474M304B131K	9.5	18.0	26.0	474M304B241K
0.56	7.0	13.0	26.0		564M304B131K	10.0	19.0	31.0	564M304B241K
0.68	8.0	14.0	26.0		684M304B131K	10.5	20.0	31.0	684M304B241K
0.82	8.5	15.5	26.0		824M304B131K	11.5	22.0	31.0	824M304B241K
1.0	9.0	16.5	26.0		105M304B131K	13.0	24.0	31.0	105M304B241K
1.2	9.5	17.0	26.0		125M304B131K	14.0	25.5	31.0	125M304B241K
1.5	10.0	19.0	31.0		155M304B131K	15.5	27.0	31.0	155M304B241K
1.8	9.5	17.0	31.0		185M304B131K	16.5	30.0	31.0	185M304B241K
2.2	10.0	19.0	31.0		225M304B131K	18.5	32.0	31.0	225M304B241K
2.7	11.5	21.0	31.0		275M304B131K	15.5	28.0	44.0	275M304B241K
3.3	12.5	23.0	31.0		335M304B131K	17.0	32.0	44.0	335M304B241K
3.9	13.5	25.0	31.0		395M304B131K	18.0	34.0	44.0	395M304B241K
4.7	15.0	27.0	44.0		475M304B131K	20.5	36.0	44.0	475M304B241K
5.6	14.5	26.0	44.0		565M304B131K				
6.8	16.0	28.0	44.0		685M304B131K				
8.2	17.0	32.0	44.0		825M304B131K				
10.0	18.0	34.0	44.0		106M304B131K				

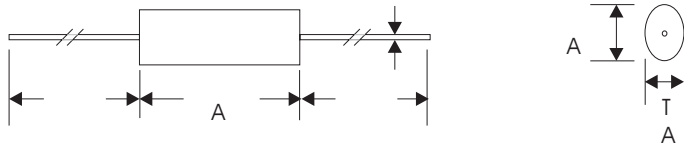
CAP. (μ F)	360 VAC				Part No.	480 VAC			
	T	H	L			T	H	L	Part No.
0.01	4.5	9.0	18.5		103M304B361K	6.0	12.0	18.5	103M304B481K
0.012	4.5	9.5	18.5		123M304B361K	6.5	12.5	18.5	123M304B481K
0.015	5.0	10.0	18.5		153M304B361K	7.0	13.0	18.5	153M304B481K
0.018	5.5	10.0	18.5		183M304B361K	7.5	13.5	18.5	183M304B481K
0.022	5.5	11.0	18.5		223M304B361K	8.0	14.0	18.5	223M304B481K
0.027	6.0	12.0	18.5		273M304B361K	8.5	15.0	18.5	273M304B481K
0.033	6.5	12.5	18.5		333M304B361K	9.0	16.0	18.5	333M304B481K
0.039	7.0	13.0	18.5		393M304B361K	7.5	13.0	26.0	393M304B481K
0.047	7.5	13.5	18.5		473M304B361K	8.0	14.0	26.0	473M304B481K
0.056	8.0	14.0	18.5		563M304B361K	8.5	15.0	26.0	563M304B481K
0.068	8.5	15.0	18.5		683M304B361K	9.0	16.5	26.0	683M304B481K
0.082	9.0	16.0	18.5		823M304B361K	9.5	17.0	26.0	823M304B481K
0.10	9.5	17.0	18.5		104M304B361K	10.0	19.0	26.0	104M304B481K
0.12	8.5	15.0	26.0		124M304B361K	10.0	19.0	31.0	124M304B481K
0.15	9.0	16.5	26.0		154M304B361K	11.0	20.5	31.0	154M304B481K
0.18	9.5	18.0	26.0		184M304B361K	12.0	22.0	31.0	184M304B481K
0.22	10.5	20.0	26.0		224M304B361K	13.0	24.0	31.0	224M304B481K
0.27	10.0	19.0	31.0		274M304B361K	14.5	26.0	31.0	274M304B481K
0.33	11.0	20.0	31.0		334M304B361K	16.0	28.0	31.0	334M304B481K
0.39	12.0	21.5	31.0		394M304B361K	17.5	30.0	31.0	394M304B481K
0.47	13.0	24.0	31.0		474M304B361K	18.5	32.0	31.0	474M304B481K
0.56	14.0	25.0	31.0		564M304B361K	16.5	30.0	44.0	564M304B481K
0.68	15.0	27.0	31.0		684M304B361K	17.5	32.0	44.0	684M304B481K
0.82	17.0	30.0	31.0		824M304B361K	20.0	34.0	44.0	824M304B481K
1.0	19.0	32.0	31.0		105M304B361K	21.5	36.0	44.0	105M304B481K
1.2	16.5	30.0	44.0		125M304B361K				
1.5	17.0	32.0	44.0		155M304B361K				
1.8	19.0	34.0	44.0		185M304B361K				
2.2	21.0	36.0	44.0		225M304B361K				

*Other Values, Voltages, And Dimensions Are Available On Request



AC Metallized Polyester - Axial Oval Wrap & Fill

TYPE: M306 Series



L	14.0	19.0	26.5	32.0	38.0	45.0	58.0
d	0.6	0.6	0.8	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	125 VAC				240 VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	3.5	6.0	11.0	103M306B131K	3.5	6.0	11.0	103M306B241K
0.012	3.5	6.0	11.0	123M306B131K	3.5	6.0	11.0	123M306B241K
0.015	3.5	6.0	11.0	153M306B131K	3.5	6.5	11.0	153M306B241K
0.018	3.5	6.0	11.0	183M306B131K	3.5	6.0	14.0	183M306B241K
0.022	3.5	6.0	11.0	223M306B131K	3.5	6.5	14.0	223M306B241K
0.027	3.5	6.0	11.0	273M306B131K	3.5	7.0	14.0	273M306B241K
0.033	3.5	6.0	11.0	333M306B131K	4.0	7.5	14.0	333M306B241K
0.039	3.5	6.0	11.0	393M306B131K	4.5	8.0	14.0	393M306B241K
0.047	3.5	6.5	11.0	473M306B131K	5.0	9.0	14.0	473M306B241K
0.056	3.5	6.0	14.0	563M306B131K	4.0	7.0	19.0	563M306B241K
0.068	3.5	6.5	14.0	683M306B131K	4.5	8.0	19.0	683M306B241K
0.082	4.0	7.0	14.0	823M306B131K	5.0	9.0	19.0	823M306B241K
0.10	4.5	8.0	14.0	104M306B131K	5.0	10.0	19.0	104M306B241K
0.12	4.5	8.5	14.0	124M306B131K	5.5	11.0	19.0	124M306B241K
0.15	5.0	9.5	14.0	154M306B131K	6.0	12.0	19.0	154M306B241K
0.18	4.0	7.0	19.0	184M306B131K	6.5	12.5	19.0	184M306B241K
0.22	4.5	8.0	19.0	224M306B131K	6.0	12.0	26.5	224M306B241K
0.27	5.0	9.0	19.0	274M306B131K	6.5	12.5	26.5	274M306B241K
0.33	5.0	10.0	19.0	334M306B131K	7.0	13.0	26.5	334M306B241K
0.39	5.5	10.5	19.0	394M306B131K	7.5	13.5	26.5	394M306B241K
0.47	6.0	11.5	19.0	474M306B131K	8.0	14.5	26.5	474M306B241K
0.56	6.0	11.5	26.5	564M306B131K	8.0	14.5	32.0	564M306B241K
0.68	6.5	12.0	26.5	684M306B131K	9.0	16.0	32.0	684M306B241K
0.82	7.0	13.0	26.5	824M306B131K	9.5	17.0	32.0	824M306B241K
1.0	7.5	13.5	26.5	105M306B131K	10.0	19.0	32.0	105M306B241K
1.2	7.0	13.0	32.0	125M306B131K	9.5	17.0	38.0	125M306B241K
1.5	7.5	13.5	32.0	155M306B131K	10.5	20.0	38.0	155M306B241K
1.8	8.0	14.0	32.0	185M306B131K	11.0	21.0	38.0	185M306B241K
2.2	8.5	15.5	32.0	225M306B131K	13.0	23.0	38.0	225M306B241K
2.7	9.0	17.0	32.0	275M306B131K	12.5	22.0	45.0	275M306B241K
3.3	9.5	18.5	32.0	335M306B131K	14.0	25.0	45.0	335M306B241K
3.9	10.0	20.0	38.0	395M306B131K	15.5	27.0	45.0	395M306B241K
4.7	11.5	21.0	38.0	475M306B131K	17.5	30.0	45.0	475M306B241K
5.6	11.5	21.0	45.0	565M306B131K	18.0	30.0	58.0	565M306B241K
6.8	13.0	24.0	45.0	685M306B131K	21.0	34.0	58.0	685M306B241K
8.2	13.5	25.0	45.0	825M306B131K	22.0	37.0	58.0	825M306B241K
10.0	15.5	26.5	45.0	106M306B131K	24.5	40.0	58.0	106M306B241K

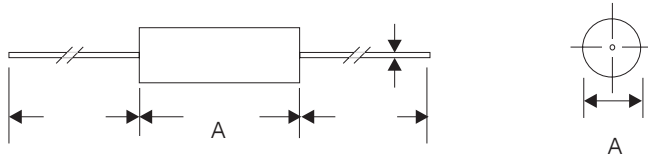
CAP. (μF)	360 VAC				480 VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	3.5	6.0	19.0	103M306B361K	5.0	9.0	19.0	103M306B481K
0.012	3.5	6.5	19.0	123M306B361K	5.0	9.5	19.0	123M306B481K
0.015	4.0	7.0	19.0	153M306B361K	5.5	10.0	19.0	153M306B481K
0.018	4.0	7.5	19.0	183M306B361K	6.0	11.0	19.0	183M306B481K
0.022	4.5	8.0	19.0	223M306B361K	6.0	12.0	19.0	223M306B481K
0.027	5.0	9.0	19.0	273M306B361K	5.0	10.0	26.5	273M306B481K
0.033	5.0	10.0	19.0	333M306B361K	5.5	11.0	26.5	333M306B481K
0.039	5.5	10.5	19.0	393M306B361K	6.0	11.5	26.5	393M306B481K
0.047	6.0	11.0	19.0	473M306B361K	6.5	12.0	26.5	473M306B481K
0.056	6.0	12.0	19.0	563M306B361K	7.0	13.0	26.5	563M306B481K
0.068	6.5	12.5	19.0	683M306B361K	7.5	13.5	26.5	683M306B481K
0.082	6.0	12.0	26.5	823M306B361K	8.0	14.5	26.5	823M306B481K
0.10	6.5	12.5	26.5	104M306B361K	8.5	15.5	26.5	104M306B481K
0.12	7.0	13.0	26.5	124M306B361K	8.5	15.5	32.0	124M306B481K
0.15	7.5	13.5	26.5	154M306B361K	9.0	16.5	32.0	154M306B481K
0.18	8.0	14.5	26.5	184M306B361K	9.5	18.0	32.0	184M306B481K
0.22	9.0	16.5	26.5	224M306B361K	10.5	20.0	32.0	224M306B481K
0.27	8.5	15.0	32.0	274M306B361K	10.0	19.0	38.0	274M306B481K
0.33	9.0	16.5	32.0	334M306B361K	11.5	21.0	38.0	334M306B481K
0.39	9.5	18.0	32.0	394M306B361K	12.0	22.0	38.0	394M306B481K
0.47	10.0	20.0	32.0	474M306B361K	13.0	23.0	38.0	474M306B481K
0.56	9.5	18.0	38.0	564M306B361K	14.0	25.0	45.0	564M306B481K
0.68	11.0	20.5	38.0	684M306B361K	15.0	26.0	45.0	684M306B481K
0.82	12.0	22.0	38.0	824M306M361K	17.0	28.0	45.0	824M306B481K
1.0	13.0	23.0	38.0	105M306B361K	19.0	31.0	45.0	105M306B481K
1.2	13.5	24.0	45.0	125M306B361K	21.0	34.0	45.0	125M306B481K
1.5	14.5	25.5	45.0	155M306B361K	22.5	36.0	45.0	155M306B481K
1.8	16.0	27.0	45.0	185M306B361K	25.0	38.0	45.0	185M306B481K
2.2	18.5	30.0	45.0	225M306B361K	29.0	42.0	45.0	225B306B481K
2.7	20.0	33.0	45.0	275M306B361K				
3.3	22.5	36.0	45.0	335M306B361K				
3.9	25.0	38.0	45.0	395M306B361K				
4.7	28.0	40.0	45.0	475M306B361K				

*Other Values, Voltages, And Dimensions Are Available On Request



AC Metallized Polyester • Axial Round Wrap & Fill

TYPE: M308 Series



L	14.0	19.0	26.5	32.0	38.0	45.0	58.0
d	0.6	0.6	0.8	0.8	0.8	0.8	1.0

(mm)

CAP. (µF)	125 VAC			240 VAC		
	D	L	Part No.	D	L	Part No.
0.01	5.0	11.0	103M308B131K	5.0	11.0	103M308B241K
0.012	5.0	11.0	123M308B131K	5.5	11.0	123M308B241K
0.015	5.0	11.0	153M308B131K	5.5	11.0	153M308B241K
0.018	5.0	11.0	183M308B131K	5.0	14.0	183M308B241K
0.022	5.0	11.0	223M308B131K	5.5	14.0	223M308B241K
0.027	5.0	11.0	273M308B131K	6.0	14.0	273M308B241K
0.033	5.0	11.0	333M308B131K	6.0	14.0	333M308B241K
0.039	5.0	11.0	393M308B131K	6.5	14.0	393M308B241K
0.047	5.5	11.0	473M308B131K	7.0	14.0	473M308B241K
0.056	5.0	14.0	563M308B131K	6.0	19.0	563M308B241K
0.068	5.5	14.0	683M308B131K	6.5	19.0	683M308B241K
0.082	6.0	14.0	823M308B131K	7.0	19.0	823M308B241K
0.10	6.5	14.0	104M308B131K	7.5	19.0	104M308B241K
0.12	7.0	14.0	124M308B131K	8.0	19.0	124M308B241K
0.15	7.5	14.0	154M308B131K	8.5	19.0	154M308B241K
0.18	6.0	19.0	184M308B131K	8.5	26.5	184M308B241K
0.22	6.5	19.0	224M308B131K	9.0	26.5	224M308B241K
0.27	7.0	19.0	274M308B131K	10.0	26.5	274M308B241K
0.33	7.5	19.0	334M308B131K	10.5	26.5	334M308B241K
0.39	8.0	19.0	394M308B131K	11.0	26.5	394M308B241K
0.47	9.0	19.0	474M308B131K	12.0	26.5	474M308B241K
0.56	9.0	26.5	564M308B131K	12.0	32.0	564M308B241K
0.68	9.5	26.5	684M308B131K	13.0	32.0	684M308B241K
0.82	10.0	26.5	824M308B131K	14.0	32.0	824M308B241K
1.0	11.0	26.5	105M308B131K	15.0	32.0	105M308B241K
1.2	10.0	32.0	125M308B131K	15.0	38.0	125M308B241K
1.5	10.5	32.0	155M308B131K	16.0	38.0	155M308B241K
1.8	11.5	32.0	185M308B131K	17.0	38.0	185M308B241K
2.2	12.5	32.0	225M308B131K	18.5	38.0	225M308B241K
2.7	14.0	32.0	275M308B131K	18.5	45.0	275M308B241K
3.3	15.0	32.0	335M308B131K	20.0	45.0	335M308B241K
3.9	16.0	38.0	395M308B131K	21.5	45.0	395M308B241K
4.7	17.0	38.0	475M308B131K	23.5	45.0	475M308B241K
5.6	17.0	45.0	565M308B131K	24.5	58.0	565M308B241K
6.8	18.5	45.0	685M308B131K	27.0	58.0	685M308B241K
8.2	20.0	45.0	825M308B131K	29.5	58.0	825M308B241K
10.0	21.5	45.0	106M308B131K	32.0	58.0	106M308B241K
CAP. (µF)	360 VAC			480 VAC		
	D	L	Part No.	D	L	Part No.
0.01	5.5	19.0	103M308B361K	7.0	19.0	103M308B481K
0.012	5.5	19.0	123M308B361K	7.5	19.0	123M308B481K
0.015	6.0	19.0	153M308B361K	8.0	19.0	153M308B481K
0.018	6.5	19.0	183M308B361K	8.5	19.0	183M308B481K
0.022	6.5	19.0	223M308B361K	9.0	19.0	223M308B481K
0.027	7.0	19.0	273M308B361K	8.0	26.5	273M308B481K
0.033	7.5	19.0	333M308B361K	8.5	26.5	333M308B481K
0.039	8.0	19.0	393M308B361K	9.0	26.5	393M308B481K
0.047	8.5	19.0	473M308B361K	9.5	26.5	473M308B481K
0.056	9.0	19.0	563M308B361K	10.0	26.5	563M308B481K
0.068	9.5	19.0	683M308B361K	10.5	26.5	683M308B481K
0.082	9.0	26.5	823M308B361K	11.0	26.5	823M308B481K
0.10	9.5	26.5	104M308B361K	12.5	26.5	104M308B481K
0.12	10.0	26.5	124M308B361K	12.5	32.0	124M308B481K
0.15	10.5	26.5	154M308B361K	14.0	32.0	154M308B481K
0.18	12.0	26.5	184M308B361K	14.5	32.0	184M308B481K
0.22	13.0	26.5	224M308B361K	16.0	32.0	224M308B481K
0.27	12.5	32.0	274M308B361K	15.5	38.0	274M308B481K
0.33	13.5	32.0	334M308B361K	16.5	38.0	334M308B481K
0.39	14.0	32.0	394M308B361K	17.5	38.0	394M308B481K
0.47	15.5	32.0	474M308B361K	18.5	38.0	474M308B481K
0.56	15.5	38.0	564M308B361K	19.5	45.0	564M308B481K
0.68	17.0	38.0	684M308B361K	21.0	45.0	684M308B481K
0.82	18.0	38.0	824M308B361K	23.5	45.0	824M308B481K
1.0	19.0	38.0	105M308B361K	25.5	45.0	105M308B481K
1.2	19.5	45.0	125M308B361K	27.5	45.0	125M308B481K
1.5	20.5	45.0	155M308B361K	30.0	45.0	155M308B481K
1.8	22.5	45.0	185M308B361K	33.5	45.0	185M308B481K
2.2	25.0	45.0	225M308B361K	37.0	45.0	225M308B481K
2.7	27.0	45.0	275M308B361K			
3.3	30.0	45.0	335M308B361K			
3.9	32.5	45.0	395M308B361K			
4.7	32.5	45.0	475M308B361K			

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Metallized Polyester Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
M402	Radial Box	0.001 To 1.0	±5% To ±20%	3 - 41
M404	Radial Epoxy Dip	0.001 To 1.0	±5% To ±20%	3 - 43
M406	Axial Oval Wrap & Fill	0.001 To 2.2	±5% To ±20%	3 - 45
M408	Axial Round Wrap & Fill	0.001 To 2.2	±5% To ±20%	3 - 47

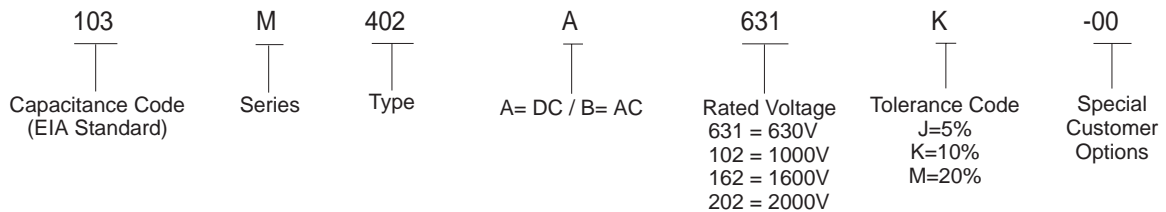
Features

- 1) Extended foil, non-inductive with internal series connection wound construction
- 2) Self healing properties
- 3) Low dissipation factor and high stability of capacitance
- 4) High insulation resistance and high humidity resistance
- 5) Wide temperature range

Applications

- 1) High voltage filtering
- 2) Energy storage
- 3) Low impedance circuits
- 4) Powerful supplies
- 5) Industrial and instruments use

Part Numbering System



Specifications

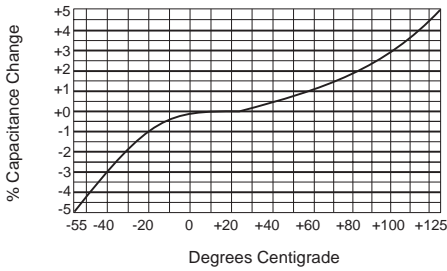
- 1) Operating Temperature Range: -55°C To +85°C with full Rated Voltage applied, to +125°C with 50% of Rated Voltage
- 2) Dissipation Factor: 1.0% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 630VDC, 1000VDC, 1600VDC, 2000VDC
- 4) Dielectric Strength: 200% of Rated Voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at 500VDC, the minimum IR shall be ≥30,000 Megohms for C≤ 0.33uF
≥10,000 Megohms X MFD(sec) for C>0.33uF
- 6) Capacitance Change: Temperature coefficient +400 (±200) PPM/°C



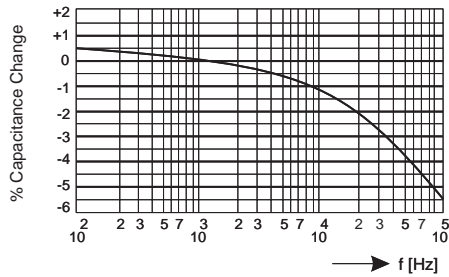
Series Wound Metallized Polyester

TYPE: M402, M404, M406, M408 Series

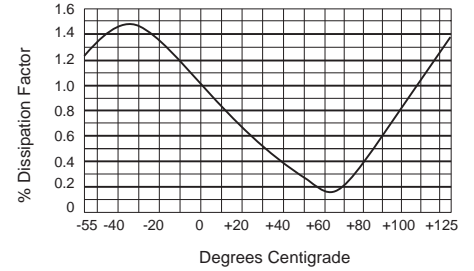
Capacitance Change vs. Temperature At 1KHz



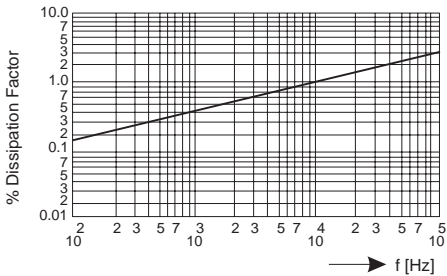
Capacitance Change vs. Frequency (Room Temp.)



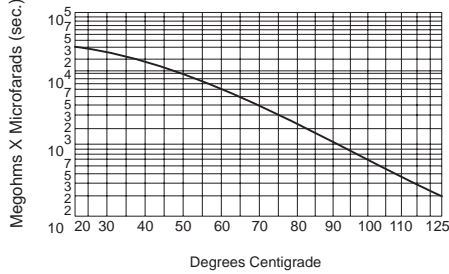
Dissipation Factor vs. Temperature At 1KHz



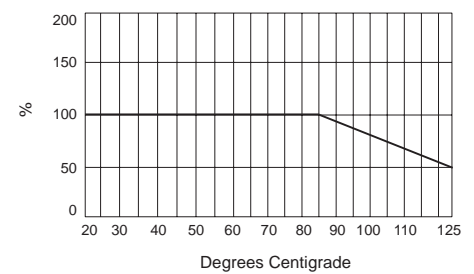
Dissipation Factor vs. Frequency (Room Temp.)



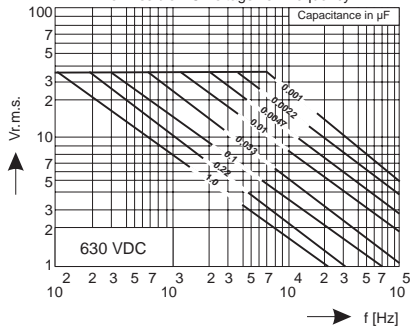
Insulation Resistance vs. Temperature



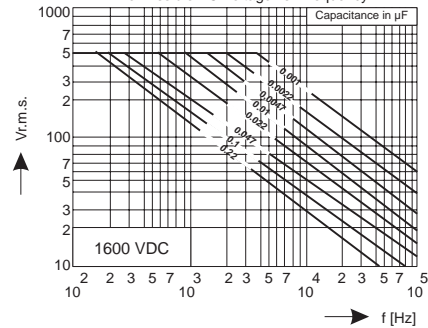
Voltage Derating vs. Temperature



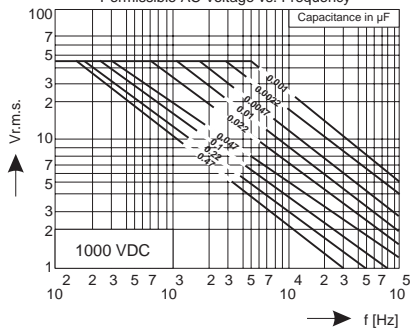
Permissible AC Voltage vs. Frequency



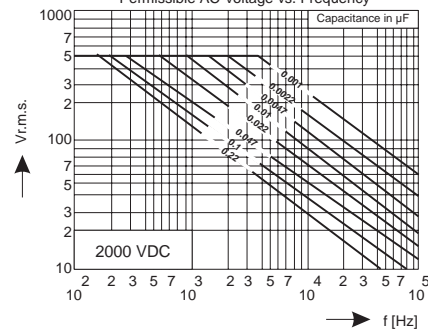
Permissible AC Voltage vs. Frequency



Permissible AC Voltage vs. Frequency



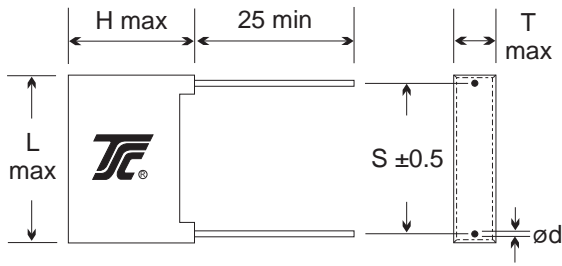
Permissible AC Voltage vs. Frequency





Series Wound Metallized Polyester - Radial Box

TYPE: M402 Series



L	18.0	26.5	32.0
S	15.0	22.5	27.5
d	0.8	0.8	0.8

(mm)

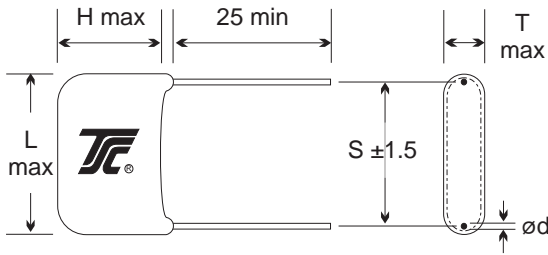
CAP. (µF)	630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001								
0.0012								
0.0015								
0.0018								
0.0022								
0.0027								
0.0033								
0.0039								
0.0047								
0.0056								
0.0068								
0.0082								
0.01	5.0	11.0	18.0	103M402A631K	6.0	12.0	18.0	103M402A102K
0.012	5.0	11.0	18.0	123M402A631K	6.0	12.0	18.0	123M402A102K
0.015	5.0	11.0	18.0	153M402A631K	7.5	13.5	18.0	153M402A102K
0.018	5.0	11.0	18.0	183M402A631K	7.5	13.5	18.0	183M402A102K
0.022	5.0	11.0	18.0	223M402A631K	7.5	13.5	18.0	223M402A102K
0.027	6.0	12.0	18.0	273M402A631K	8.5	15.0	18.0	273M402A102K
0.033	6.0	12.0	18.0	333M402A631K	8.5	15.0	18.0	333M402A102K
0.039	7.5	13.5	18.0	393M402A631K	6.0	15.0	26.5	393M402A102K
0.047	7.5	13.5	18.0	473M402A631K	7.0	16.5	26.5	473M402A102K
0.056	7.5	13.5	18.0	563M402A631K	8.5	17.0	26.5	563M402A102K
0.068	8.5	15.0	18.0	683M402A631K	8.5	17.0	26.5	683M402A102K
0.082	7.0	16.5	26.5	823M402A631K	10.0	19.0	26.5	823M402A102K
0.10	7.0	16.5	26.5	104M402A631K	10.0	19.0	26.5	104M402A102K
0.12	8.5	17.0	26.5	124M402A631K	11.0	20.0	32.0	124M402A102K
0.15	8.5	17.0	26.5	154M402A631K	11.0	20.0	32.0	154M402A102K
0.18	10.0	19.0	26.5	184M402A631K	13.0	22.0	32.0	184M402A102K
0.22	10.0	19.0	26.5	224M402A631K	15.0	25.0	32.0	224M402A102K
0.27	11.0	20.0	32.0	274M402A631K	15.0	25.0	32.0	274M402A102K
0.33	11.0	20.0	32.0	334M402A631K	18.0	30.0	32.0	334M402A102K
0.39	13.0	22.0	32.0	394M402A631K	18.0	30.0	32.0	394M402A102K
0.47	13.0	22.0	32.0	474M402A631K	18.0	30.0	32.0	474M402A102K
0.56	15.0	25.0	32.0	564M402A631K				
0.68	15.0	25.0	32.0	684M402A631K				
0.82	18.0	30.0	32.0	824M402A631K				
1.0	18.0	30.0	32.0	105M402A631K				
CAP. (µF)	1600 VDC				2000 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	5.0	11.0	18.0	102M402A162K	5.0	11.0	18.0	102M402A202K
0.0012	5.0	11.0	18.0	122M402A162K	5.0	11.0	18.0	122M402A202K
0.0015	5.0	11.0	18.0	152M402A162K	5.0	11.0	18.0	152M402A202K
0.0018	5.0	11.0	18.0	182M402A162K	6.0	12.0	18.0	182M402A202K
0.0022	5.0	11.0	18.0	222M402A162K	6.0	12.0	18.0	222M402A202K
0.0027	5.0	11.0	18.0	272M402A162K	6.0	12.0	18.0	272M402A202K
0.0033	5.0	11.0	18.0	332M402A162K	6.0	12.0	18.0	332M402A202K
0.0039	5.0	11.0	18.0	392M402A162K	7.5	13.5	18.0	392M402A202K
0.0047	6.0	12.0	18.0	472M402A162K	7.5	13.5	18.0	472M402A202K
0.0056	6.0	12.0	18.0	562M402A162K	7.5	13.5	18.0	562M402A202K
0.0068	6.0	12.0	18.0	682M402A162K	7.5	13.5	18.0	682M402A202K
0.0082	6.0	12.0	18.0	822M402A162K	7.0	16.5	26.5	822M402A202K
0.01	7.5	13.5	18.0	103M402A162K	7.0	16.5	26.5	103M402A202K
0.012	7.5	13.5	18.0	123M402A162K	7.0	16.5	26.5	123M402A202K
0.015	7.5	13.5	18.0	153M402A162K	8.5	17.0	26.5	153M402A202K
0.018	8.5	15.0	18.0	183M402A162K	8.5	17.0	26.5	183M402A202K
0.022	8.5	15.0	18.0	223M402A162K	10.0	19.0	26.5	223M402A202K
0.027	7.0	16.5	26.5	273M402A162K	11.0	20.0	32.0	273M402A202K
0.033	8.5	17.0	26.5	333M402A162K	11.0	20.0	32.0	333M402A202K
0.039	8.5	17.0	26.5	393M402A162K	13.0	22.0	32.0	393M402A202K
0.047	10.0	19.0	26.5	473M402A162K	13.0	22.0	32.0	473M402A202K
0.056	11.0	20.0	32.0	563M402A162K	15.0	25.0	32.0	563M402A202K
0.068	11.0	20.0	32.0	683M402A162K	15.0	25.0	32.0	683M402A202K
0.082	13.0	22.0	32.0	823M402A162K	18.0	30.0	32.0	823M402A202K
0.10	13.0	22.0	32.0	104M402A162K	18.0	30.0	32.0	104M402A202K
0.12	15.0	25.0	32.0	124M402A162K				
0.15	15.0	25.0	32.0	154M402A162K				
0.18	18.0	30.0	32.0	184M402A162K				
0.22	18.0	30.0	32.0	224M402A162K				

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Metallized Polyester - Radial Epoxy Dipped

TYPE: M404 Series



L	18.5	26.0	31.0	44.0
S	15.0	22.5	27.5	38.0
d	0.8	0.8	0.8	0.8

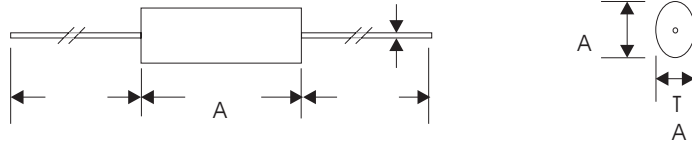
(mm)

CAP. (µF)	630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001								
0.0012								
0.0015								
0.0018								
0.0022								
0.0027								
0.0033								
0.0039								
0.0047								
0.0056								
0.0068								
0.0082								
0.01	4.5	9.0	18.5	103M404A631K	6.0	12.0	18.5	103M404A102K
0.012	4.5	9.5	18.5	123M404A631K	6.5	12.5	18.5	123M404A102K
0.015	5.0	10.0	18.5	153M404A631K	7.0	13.0	18.5	153M404A102K
0.018	5.5	10.0	18.5	183M404A631K	7.5	13.5	18.5	183M404A102K
0.022	5.5	11.0	18.5	223M404A631K	8.0	14.0	18.5	223M404A102K
0.027	6.0	12.0	18.5	273M404A631K	8.5	15.0	18.5	273M404A102K
0.033	6.5	12.5	18.5	333M404A631K	9.0	16.0	18.5	333M404A102K
0.039	7.0	13.0	18.5	393M404A631K	7.0	13.0	26.0	393M404A102K
0.047	7.5	13.5	18.5	473M404A631K	8.0	14.0	26.0	473M404A102K
0.056	8.0	14.0	18.5	563M404A631K	8.5	15.0	26.0	563M404A102K
0.068	8.5	15.0	18.5	683M404A631K	9.0	16.5	26.0	683M404A102K
0.082	7.0	13.0	26.0	823M404A631K	9.5	17.0	26.0	823M404A102K
0.10	7.5	14.0	26.0	104M404A631K	10.0	19.0	26.0	104M404A102K
0.12	8.5	15.0	26.0	124M404A631K	10.0	19.0	31.0	124M404A102K
0.15	9.0	16.5	26.0	154M404A631K	11.0	20.5	31.0	154M404A102K
0.18	9.5	18.0	26.0	184M404A631K	12.0	22.0	31.0	184M404A102K
0.22	10.5	20.0	26.0	224M404A631K	13.0	24.0	31.0	224M404A102K
0.27	10.0	19.0	31.0	274M404A631K	14.5	26.0	31.0	274M404A102K
0.33	11.0	20.0	31.0	334M404A631K	16.0	28.0	31.0	334M404A102K
0.39	12.0	21.5	31.0	394M404A631K	14.5	25.0	44.0	394M404A102K
0.47	13.0	24.0	31.0	474M404A631K	15.5	27.0	44.0	474M404A102K
0.56	14.0	25.0	31.0	564M404A631K	16.5	30.0	44.0	564M404A102K
0.68	15.0	27.0	31.0	684M404A631K	17.5	32.0	44.0	684M404A102K
0.82	14.5	26.0	44.0	824M404A631K	20.0	34.0	44.0	824M404A102K
1.0	15.5	28.0	44.0	105M404A631K	21.5	36.0	44.0	105M404A102K
CAP. (µF)	1600 VDC				2000 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	4.5	9.0	18.5	102M404A162K	4.5	9.0	18.5	102M404A202K
0.0012	4.5	9.0	18.5	122M404A162K	4.5	9.5	18.5	122M404A202K
0.0015	4.5	9.0	18.5	152M404A162K	5.0	9.5	18.5	152M404A202K
0.0018	4.5	9.0	18.5	182M404A162K	5.5	10.0	18.5	182M404A202K
0.0022	4.5	9.0	18.5	222M404A162K	5.5	11.0	18.5	222M404A202K
0.0027	4.5	9.5	18.5	272M404A162K	6.0	12.0	18.5	272M404A202K
0.0033	5.0	9.5	18.5	332M404A162K	6.5	12.5	18.5	332M404A202K
0.0039	5.5	10.0	18.5	392M404A162K	7.0	13.0	18.5	392M404A202K
0.0047	5.5	11.0	18.5	472M404A162K	7.5	13.5	18.5	472M404A202K
0.0056	6.0	11.0	18.5	562M404A162K	8.0	14.0	18.5	562M404A202K
0.0068	6.0	12.0	18.5	682M404A162K	8.5	15.0	18.5	682M404A202K
0.0082	6.5	12.5	18.5	822M404A162K	7.5	13.5	26.0	822M404A202K
0.01	7.0	13.0	18.5	103M404A162K	8.0	14.0	26.0	103M404A202K
0.012	7.5	13.5	18.5	123M404A162K	8.5	15.0	26.0	123M404A202K
0.015	8.0	14.5	18.5	153M404A162K	9.0	16.0	26.0	153M404A202K
0.018	8.5	15.5	18.5	183M404A162K	9.5	16.5	26.0	183M404A202K
0.022	9.0	16.5	18.5	223M404A162K	9.5	18.0	26.0	223M404A202K
0.027	8.5	15.0	26.0	273M404A162K	10.0	19.0	31.0	273M404A202K
0.033	8.5	16.0	26.0	333M404A162K	10.5	20.0	31.0	333M404A202K
0.039	9.0	16.5	26.0	393M404A162K	11.5	21.0	31.0	393M404A202K
0.047	9.5	17.5	26.0	473M404A162K	12.5	23.0	31.0	473M404A202K
0.056	9.5	17.5	31.0	563M404A162K	13.0	24.0	31.0	563M404A202K
0.068	10.0	19.0	31.0	683M404A162K	14.5	26.0	31.0	683M404A202K
0.082	11.0	20.5	31.0	823M404A162K	13.0	24.0	44.0	823M404A202K
0.10	12.0	22.0	31.0	104M404A162K	14.0	26.0	44.0	104M404A202K
0.12	13.0	24.0	31.0	124M404A162K	15.0	27.0	44.0	124M404A202K
0.15	14.5	26.5	31.0	154M404A162K	17.0	30.0	44.0	154M404A202K
0.18	13.0	24.0	44.0	184M404A162K	18.5	33.0	44.0	184M404A202K
0.22	14.0	26.0	44.0	224M404A162K	21.0	36.0	44.0	224M404A202K
0.27	16.0	28.0	44.0	274M404A162K				
0.33	17.5	32.0	44.0	334M404A162K				
0.39	19.0	34.0	44.0	394M404A162K				
0.47	21.5	36.0	44.0	474M404A162K				

*Other Values, Voltages, And Dimensions Are Available On Request

TSC Series Wound Metallized Polyester - Axial Oval Wrap & Fill

TYPE: M406 Series



L	19.0	26.5	32.0	38.0	45.0
d	0.6	0.8	0.8	0.8	0.8

(mm)

CAP. (μF)	630 VDC				Part No.	1000 VDC			
	T	H	L			T	H	L	Part No.
0.001						3.5	6.5	19.0	472M406A102K
0.0012						4.0	7.0	19.0	562M406A102K
0.0015						4.0	8.0	19.0	682M406A102K
0.0018						4.5	8.5	19.0	822M406A102K
0.0022						5.0	9.0	19.0	103M406A102K
0.0027						5.0	9.5	19.0	123M406A102K
0.0033						5.5	10.0	19.0	153M406A102K
0.0039						6.0	11.0	19.0	183M406A102K
0.0047						6.0	12.0	19.0	223M406A102K
0.0056						5.5	10.0	26.5	273M406A102K
0.0068						6.0	11.0	26.5	333M406A102K
0.0082						6.0	12.0	26.5	393M406A102K
0.01	3.5	6.0	19.0	103M406A631K		6.5	12.5	26.5	473M406A102K
0.012	3.5	6.5	19.0	123M406A631K		7.0	13.0	26.5	563M406A102K
0.015	4.0	7.0	19.0	153M406A631K		7.5	13.5	26.5	683M406A102K
0.018	4.0	7.5	19.0	183M406A631K		8.0	14.5	26.5	823M406A102K
0.022	4.5	8.0	19.0	223M406A631K		8.5	15.5	26.5	104M406A102K
0.027	5.0	9.0	19.0	273M406A631K		9.0	16.5	32.0	124M406A102K
0.033	5.0	10.0	19.0	333M406A631K		9.0	16.5	32.0	154M406A102K
0.039	5.5	10.5	19.0	393M406A631K		9.5	18.0	32.0	184M406A102K
0.047	6.0	11.0	19.0	473M406A631K		10.5	20.0	32.0	224M406A102K
0.056	6.0	12.0	19.0	563M406A631K		10.0	19.0	38.0	274M406A102K
0.068	6.5	12.5	19.0	683M406A631K		11.5	21.0	38.0	334M406A102K
0.082	6.0	12.0	26.5	823M406A631K		12.0	22.0	38.0	394M406A102K
0.10	6.5	12.5	26.5	104M406A631K		13.0	23.0	38.0	474M406A102K
0.12	7.0	13.0	26.5	124M406A631K		14.0	25.0	45.0	564M406A102K
0.15	7.5	13.5	26.5	154M406A631K		15.0	26.0	45.0	684M406A102K
0.18	8.0	14.5	26.5	184M406A631K		17.0	28.0	45.0	824M406A102K
0.22	9.0	16.5	26.5	224M406A631K		19.0	31.0	45.0	105M406A102K
0.27	8.5	15.0	32.0	274M406A631K					
0.33	9.0	16.5	32.0	334M406A631K					
0.39	9.5	18.0	32.0	394M406A631K					
0.47	10.0	20.0	32.0	474M406A631K					
0.56	9.5	18.0	38.0	564M406A631K					
0.68	11.0	20.5	38.0	684M406A631K					
0.82	12.0	22.0	38.0	824M406A631K					
1.0	13.0	23.0	38.0	105M406A631K					
1.2	13.5	24.0	45.0	125M406A631K					
1.5	14.5	25.5	45.0	155M406A631K					
1.8	16.0	27.0	45.0	185M406A631K					
2.2	18.5	30.0	45.0	225M406A631K					

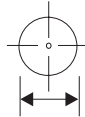
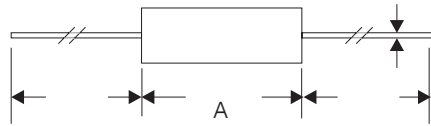
CAP. (μF)	1600 VDC				Part No.	2000 VDC			
	T	H	L			T	H	L	Part No.
0.001	3.5	6.5	19.0	102M406A162K	3.5	6.5	19.0	102M406A202K	
0.0012	3.5	6.5	19.0	122M406A162K	4.0	7.0	19.0	122M406A202K	
0.0015	3.5	6.5	19.0	152M406A162K	4.5	7.5	19.0	152M406A202K	
0.0018	3.5	6.5	19.0	182M406A162K	4.5	8.5	19.0	182M406A202K	
0.0022	3.5	6.5	19.0	222M406A162K	5.0	9.0	19.0	222M406A202K	
0.0027	3.5	6.5	19.0	272M406A162K	5.0	10.0	19.0	272M406A202K	
0.0033	4.0	7.0	19.0	332M406A162K	5.5	10.5	19.0	332M406A202K	
0.0039	4.5	8.0	19.0	392M406A162K	6.0	11.0	19.0	392M406A202K	
0.0047	5.0	8.5	19.0	472M406A162K	6.0	12.0	19.0	472M406A202K	
0.0056	5.0	9.0	19.0	562M406A162K	5.0	10.0	26.5	562M406A202K	
0.0068	5.0	9.5	19.0	682M406A162K	5.5	10.5	26.5	682M406A202K	
0.0082	5.5	10.0	19.0	822M406A162K	6.0	11.0	26.5	822M406A202K	
0.01	5.5	11.0	19.0	103M406A162K	6.0	12.0	26.5	103M406A202K	
0.012	6.0	11.5	19.0	123M406A162K	6.5	12.5	26.5	123M406A202K	
0.015	6.5	12.5	19.0	153M406A162K	7.0	13.0	26.5	153M406A202K	
0.018	6.0	11.0	26.5	183M406A162K	8.0	14.0	26.5	183M406A202K	
0.022	6.0	12.0	26.5	223M406A162K	8.5	15.0	26.5	223M406A202K	
0.027	6.5	12.5	26.5	273M406A162K	8.5	15.0	32.0	273M406A202K	
0.033	7.0	13.0	26.5	333M406A162K	9.0	16.0	32.0	333M406A202K	
0.039	7.5	13.5	26.5	393M406A162K	9.0	17.0	32.0	393M406A202K	
0.047	8.0	14.5	26.5	473M406A162K	9.5	18.0	32.0	473M406A202K	
0.056	8.0	14.5	32.0	563M406A162K	9.5	18.0	38.0	563M406A202K	
0.068	8.5	15.5	32.0	683M406A162K	10.5	20.0	38.0	683M406A202K	
0.082	9.0	17.0	32.0	823M406A162K	10.0	19.0	45.0	823M406A202K	
0.10	9.5	18.0	32.0	104M406A162K	11.5	21.0	45.0	104M406A202K	
0.12	9.5	18.0	38.0	124M406A162K	12.5	23.0	45.0	124M406A202K	
0.15	10.0	19.0	38.0	154M406A162K	14.0	25.0	45.0	154M406A202K	
0.18	10.5	20.0	45.0	184M406A162K	15.5	27.0	45.0	184M406A202K	
0.22	12.0	22.0	45.0	224M406A162K	18.0	30.0	45.0	224M406A202K	
0.27	13.0	24.0	45.0	274M406A162K					
0.33	15.0	26.0	45.0	334M406A162K					
0.39	16.0	28.0	45.0	394M406A162K					
0.47	18.5	30.0	45.0	474M406A162K					

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Metallized Polyester - Axial Round Wrap & Fill

TYPE: M408 Series



A

L	19.0	26.5	32.0	38.0	45.0
d	0.6	0.8	0.8	0.8	0.8

(mm)

CAP. (µF)	630 VDC			1000 VDC		
	D	L	Part No.	D	L	Part No.
0.001						
0.0012						
0.0015						
0.0018						
0.0022						
0.0027						
0.0033						
0.0039						
0.0047						
0.0056				5.5	19.0	472M408A102K
0.0068				6.0	19.0	562M408A102K
0.0082				6.0	19.0	682M408A102K
0.01	5.5	19.0	103M408A631K	6.5	19.0	822M408A102K
0.012	5.5	19.0	123M408A631K	7.0	19.0	103M408A102K
0.015	6.0	19.0	153M408A631K	7.5	19.0	123M408A102K
0.018	6.5	19.0	183M408A631K	8.0	19.0	153M408A102K
0.022	6.5	19.0	223M408A631K	8.5	19.0	183M408A102K
0.027	7.0	19.0	273M408A631K	9.0	19.0	223M408A102K
0.033	7.5	19.0	333M408A631K	8.0	26.5	273M408A102K
0.039	8.0	19.0	393M408A631K	8.5	26.5	333M408A102K
0.047	8.5	19.0	473M408A631K	9.0	26.5	393M408A102K
0.056	9.0	19.0	563M408A631K	9.5	26.5	473M408A102K
0.068	9.5	19.0	683M408A631K	10.0	26.5	563M408A102K
0.082	9.0	26.5	823M408A631K	10.5	26.5	683M408A102K
0.10	9.5	26.5	104M408A631K	11.0	26.5	823M408A102K
0.12	10.0	26.5	124M408A631K	12.5	26.5	104M408A102K
0.15	10.5	26.5	154M408A631K	12.5	32.0	124M408A102K
0.18	12.0	26.5	184M408A631K	14.0	32.0	154M408A102K
0.22	13.0	26.5	224M408A631K	14.5	32.0	184M408A102K
0.27	12.5	32.0	274M408A631K	16.0	32.0	224M408A102K
0.33	13.5	32.0	334M408A631K	15.5	38.0	274M408A102K
0.39	14.0	32.0	394M408A631K	16.5	38.0	334M408A102K
0.47	15.5	32.0	474M408A631K	17.5	38.0	394M408A102K
0.56	15.5	38.0	564M408A631K	18.5	38.0	474M408A102K
0.68	17.0	38.0	684M408A631K	19.5	45.0	564M408A102K
0.82	18.0	38.0	824M408A631K	21.0	45.0	684M408A102K
1.0	19.0	38.0	105M408A631K	23.5	45.0	824M408A102K
1.2	19.5	45.0	125M408A631K	25.5	45.0	105M408A102K
1.5	20.5	45.0	155M408A631K			
1.8	22.5	45.0	185M408A631K			
2.2	25.0	45.0	225M408A631K			

CAP. (µF)	1600 VDC			2000 VDC		
	D	L	Part No.	T	L	Part No.
0.001	5.5	19.0	102M408A162K	5.5	19.0	102M408A202K
0.0012	5.5	19.0	122M408A162K	6.0	19.0	122M408A202K
0.0015	5.5	19.0	152M408A162K	6.5	19.0	152M408A202K
0.0018	5.5	19.0	182M408A162K	7.0	19.0	182M408A202K
0.0022	5.5	19.0	222M408A162K	7.5	19.0	222M408A202K
0.0027	5.5	19.0	272M408A162K	8.0	19.0	272M408A202K
0.0033	6.0	19.0	332M408A162K	8.0	19.0	332M408A202K
0.0039	6.5	19.0	392M408A162K	8.5	19.0	392M408A202K
0.0047	7.0	19.0	472M408A162K	9.0	19.0	472M408A202K
0.0056	7.0	19.0	562M408A162K	7.5	26.5	562M408A202K
0.0068	7.5	19.0	682M408A162K	8.0	26.5	682M408A202K
0.0082	8.0	19.0	822M408A162K	8.5	26.5	822M408A202K
0.01	8.5	19.0	103M408A162K	9.0	26.5	103M408A202K
0.012	9.0	19.0	123M408A162K	9.5	26.5	123M408A202K
0.015	9.5	19.0	153M408A162K	10.5	26.5	153M408A202K
0.018	8.5	26.5	183M408A162K	11.0	26.5	183M408A202K
0.022	9.0	26.5	223M408A162K	12.0	26.5	223M408A202K
0.027	9.5	26.5	273M408A162K	12.5	32.0	273M408A202K
0.033	10.0	26.5	333M408A162K	13.0	32.0	333M408A202K
0.039	10.5	26.5	393M408A162K	14.0	32.0	393M408A202K
0.047	11.5	26.5	473M408A162K	15.0	32.0	473M408A202K
0.056	11.5	32.0	563M408A162K	14.5	38.0	563M408A202K
0.068	12.5	32.0	683M408A162K	16.0	38.0	683M408A202K
0.082	13.5	32.0	823M408A162K	15.5	45.0	823M408A202K
0.10	15.0	32.0	104M408A162K	17.0	45.0	104M408A202K
0.12	14.0	38.0	124M408A162K	18.5	45.0	124M408A202K
0.15	15.5	38.0	154M408A162K	20.0	45.0	154M408A202K
0.18	16.0	45.0	184M408A162K	22.0	45.0	184M408A202K
0.22	17.5	45.0	224M408A162K	24.5	45.0	224M408A202K
0.27	19.0	45.0	274M408A162K			
0.33	21.0	45.0	334M408A162K			
0.39	22.5	45.0	394M408A162K			
0.47	25.0	45.0	474M408A162K			

*Other Values, Voltages, And Dimensions Are Available On Request



Miniature Metallized Polyester Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
M502	Radial Box	0.01 To 22.0	±1% To ±20%	3 - 52
M504	Radial Epoxy Dip	0.001 To 22.0	±1% To ±20%	3 - 54
M506	Axial Oval Wrap & Fill	0.01 To 50.0	±1% To ±20%	3 - 56
M508	Axial Round Wrap & Fill	0.01 To 50.0	±1% To ±20%	3 - 58

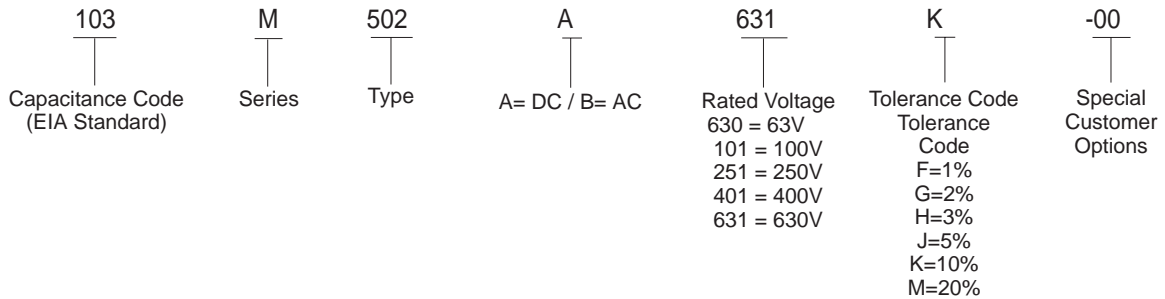
Features

- 1) Extended foil, non-inductive construction
- 2) Self healing properties
- 3) Large capacitance in small size and light weight
- 4) Excellent electric characteristics
- 5) Wide temperature range

Applications

- 1) Filters
- 2) DC-Blocking
- 3) Coupling
- 4) AC circuits for motor starting
- 5) Charge/Discharging
- 6) Lighting, noise suppression
- 7) General communications equipment

Part Numbering System



Specifications

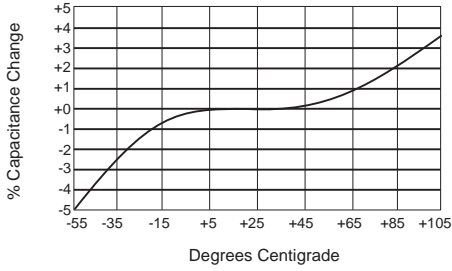
- 1) Operating Temperature Range: -55°C To +85°C with full Rated Voltage applied, to +105°C with 75% rated voltage
- 2) Dissipation Factor: 1.0% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 63VDC, 100VDC, 250VDC, 400VDC, 630VDC
- 4) Dielectric Strength: 160% of rated voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at 100VDC, the minimum IR shall be ≥ 9,000 Megohms for ≤0.33uF
≥ 3,000 Megohms X MFD(sec) for C>0.33uF
- 6) Capacitance Change: <±3% at -25°C to +85°C



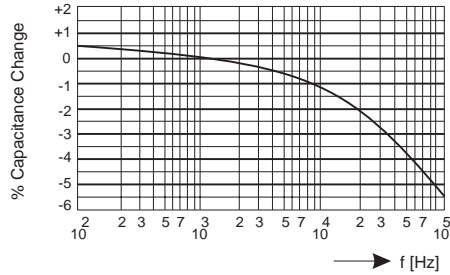
Miniature Metallized Polyester

TYPE: M502, M504, M506, M508 Series

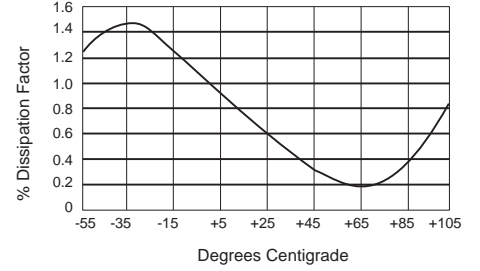
Capacitance Change vs. Temperature At 1KHz



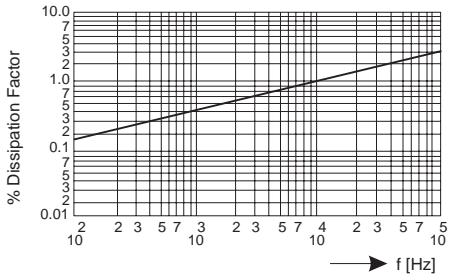
Capacitance Change vs. Frequency (Room Temp.)



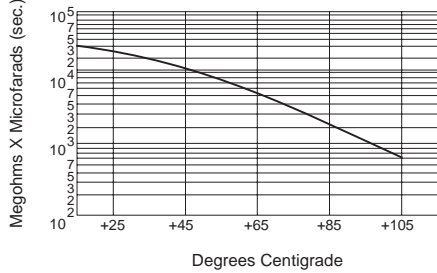
Dissipation Factor vs. Temperature At 1KHz



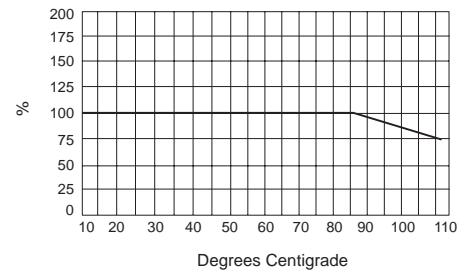
Dissipation Factor vs. Frequency (Room Temp.)



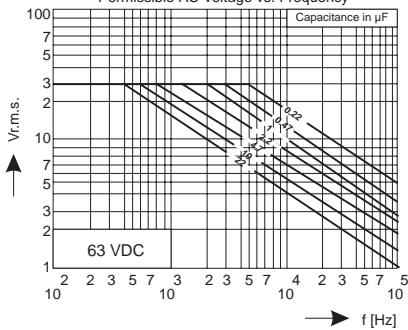
Insulation Resistance vs. Temperature



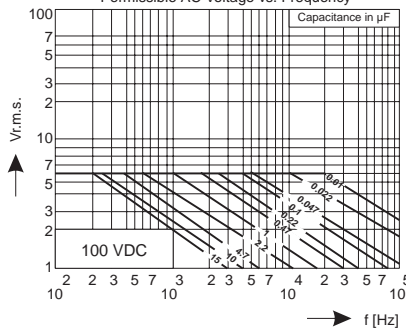
Voltage Derating vs. Temperature



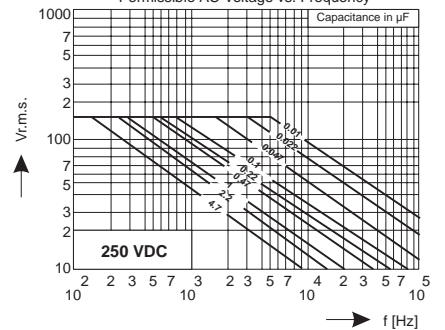
Permissible AC Voltage vs. Frequency



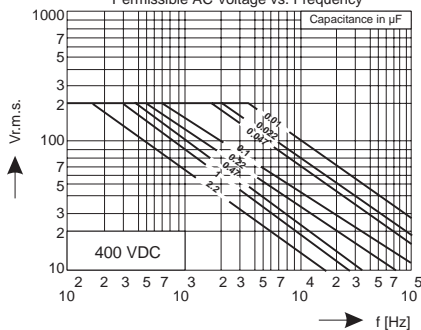
Permissible AC Voltage vs. Frequency



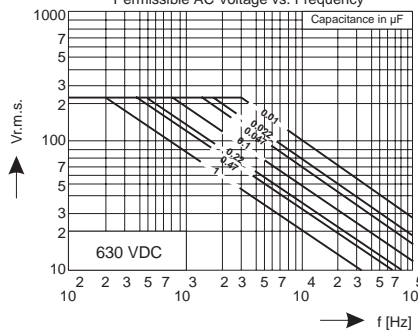
Permissible AC Voltage vs. Frequency



Permissible AC Voltage vs. Frequency



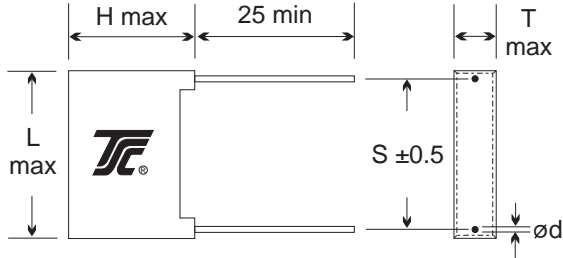
Permissible AC Voltage vs. Frequency





Miniature Metallized Polyester - Radial Box

TYPE: M502 Series



L	10.5	13.0	18.0	26.5	32.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μ F)	63 VDC				100 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.01									4.0	9.0	10.5	103M502A251K
0.012									4.0	9.0	10.5	123M502A251K
0.015									4.0	9.0	10.5	153M502A251K
0.018									4.0	9.0	10.5	183M502A251K
0.022									4.0	9.0	10.5	223M502A251K
0.027									4.0	9.0	10.5	273M502A251K
0.033									4.0	9.0	10.5	333M502A251K
0.039									4.0	9.0	10.5	393M502A251K
0.047									4.0	9.0	10.5	473M502A251K
0.056									4.0	9.0	10.5	563M502A251K
0.068									4.0	9.0	10.5	683M502A251K
0.082									4.0	9.0	10.5	823M502A251K
0.10									4.0	9.0	10.5	104M502A251K
0.12					4.0	9.0	10.5	124M502A101K	5.0	11.0	10.5	124M502A251K
0.15					4.0	9.0	10.5	154M502A101K	5.0	11.0	10.5	154M502A251K
0.18					4.0	9.0	10.5	184M502A101K	5.0	11.0	13.0	184M502A251K
0.22					4.0	9.0	10.5	224M502A101K	6.0	12.0	13.0	224M502A251K
0.27					4.0	9.0	10.5	274M502A101K	6.0	12.0	13.0	274M502A251K
0.33	4.0	9.0	10.5	334M502A630K	5.0	11.0	10.5	334M502A101K	7.0	13.0	13.0	334M502A251K
0.39	4.0	9.0	10.5	394M502A630K	5.0	11.0	10.5	394M502A101K	5.0	11.0	18.0	394M502A251K
0.47	4.0	9.0	10.5	474M502A630K	5.0	11.0	10.5	474M502A101K	6.0	12.0	18.0	474M502A251K
0.56	4.0	9.0	10.5	564M502A630K	5.0	11.0	13.0	564M502A101K	6.0	12.0	18.0	564M502A251K
0.68	4.0	9.0	10.5	684M502A630K	6.0	12.0	13.0	684M502A101K	7.5	13.5	18.0	684M502A251K
0.82	5.0	11.0	10.5	824M502A630K	6.0	12.0	13.0	824M502A101K	7.5	13.5	18.0	824M502A251K
1.0	5.0	11.0	10.5	105M502A630K	7.0	13.0	13.0	105M502A101K	8.5	15.0	18.0	105M502A251K
1.2	5.0	11.0	13.0	125M502A630K	6.0	12.0	18.0	125M502A101K	8.5	15.0	18.0	125M502A251K
1.5	6.0	12.0	13.0	155M502A630K	7.5	13.5	18.0	155M502A101K	7.0	16.5	26.5	155M502A251K
1.8	5.0	11.0	18.0	185M502A630K	7.5	13.5	18.0	185M502A101K	8.5	17.0	26.5	185M502A251K
2.2	5.0	11.0	18.0	225M502A630K	8.5	15.0	18.0	225M502A101K	10.0	19.0	26.5	225M502A251K
2.7	5.0	11.0	18.0	275M502A630K	8.5	15.0	18.0	275M502A101K	10.0	19.0	26.5	275M502A251K
3.3	6.0	12.0	18.0	335M502A630K	7.0	16.5	26.5	335M502A101K	13.0	22.0	26.5	335M502A251K
3.9	6.0	12.0	18.0	395M502A630K	8.5	17.0	26.5	395M502A101K	13.0	22.0	26.5	395M502A251K
4.7	7.5	13.5	18.0	475M502A630K	8.5	17.0	26.5	475M502A101K	13.0	22.0	26.5	475M502A251K
5.6	7.5	13.5	18.0	565M502A630K	10.0	19.0	26.5	565M502A101K	15.0	25.0	32.0	565M502A251K
6.8	7.5	13.5	18.0	685M502A630K	10.0	19.0	26.5	685M502A101K	15.0	25.0	32.0	685M502A251K
8.2	7.0	16.5	26.5	825M502A630K	13.0	22.0	26.5	825M502A101K	18.0	30.0	32.0	825M502A251K
10.0	8.5	17.0	26.5	106M502A630K	13.0	22.0	26.5	106M502A101K	18.0	30.0	32.0	106M502A251K
12.0	8.5	17.0	26.5	126M502A630K	13.0	22.0	32.0	126M502A101K				
15.0	10.0	19.0	26.5	156M502A630K	15.0	25.0	32.0	156M502A101K				
18.0	11.0	20.0	32.0	186M502A630K	15.0	25.0	32.0	186M502A101K				
22.0	11.0	20.0	32.0	226M502A630K	18.0	30.0	32.0	226M502A101K				

*Other Values, Voltages, And Dimensions Are Available On Request



Miniature Metallized Polyester • Radial Box

TYPE: M502 Series

(mm)

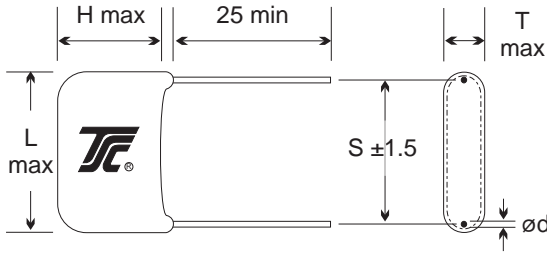
CAP. (μF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	4.0	9.0	10.5	103M502A401K	4.0	9.0	13.0	103M502A631K
0.012	4.0	9.0	10.5	123M502A401K	4.0	9.0	13.0	123M502A631K
0.015	4.0	9.0	10.5	153M502A401K	4.0	9.0	13.0	153M502A631K
0.018	4.0	9.0	10.5	183M502A401K	4.0	9.0	13.0	183M502A631K
0.022	4.0	9.0	10.5	223M502A401K	4.0	9.0	13.0	223M502A631K
0.027	4.0	9.0	10.5	273M502A401K	5.0	11.0	13.0	273M502A631K
0.033	4.0	9.0	10.5	333M502A401K	5.0	11.0	13.0	333M502A631K
0.039	4.0	9.0	13.0	393M502A401K	6.0	12.0	13.0	393M502A631K
0.047	4.0	9.0	13.0	473M502A401K	6.0	12.0	13.0	473M502A631K
0.056	5.0	11.0	13.0	563M502A401K	5.0	11.0	18.0	563M502A631K
0.068	5.0	11.0	13.0	683M502A401K	5.0	11.0	18.0	683M502A631K
0.082	6.0	12.0	13.0	823M502A401K	5.0	11.0	18.0	823M502A631K
0.10	6.0	12.0	13.0	104M502A401K	6.0	12.0	18.0	104M502A631K
0.12	5.0	11.0	18.0	124M502A401K	6.0	12.0	18.0	124M502A631K
0.15	5.0	11.0	18.0	154M502A401K	7.5	13.5	18.0	154M502A631K
0.18	6.0	12.0	18.0	184M502A401K	8.5	15.0	18.0	184M502A631K
0.22	6.0	12.0	18.0	224M502A401K	8.5	15.0	18.0	224M502A631K
0.27	7.5	13.5	18.0	274M502A401K	7.0	16.5	26.5	274M502A631K
0.33	7.5	13.5	18.0	334M502A401K	8.5	17.0	26.5	334M502A631K
0.39	8.5	15.0	18.0	394M502A401K	8.5	17.0	26.5	394M502A631K
0.47	8.5	15.0	18.0	474M502A401K	10.0	19.0	26.5	474M502A631K
0.56	7.0	16.5	26.5	564M502A401K	10.0	19.0	26.5	564M502A631K
0.68	8.5	17.0	26.5	684M502A401K	13.0	22.0	26.5	684M502A631K
0.82	8.5	17.0	26.5	824M502A401K	11.0	20.0	32.0	824M502A631K
1.0	10.0	19.0	26.5	105M502A401K	13.0	22.0	32.0	105M502A631K
1.2	11.0	20.0	32.0	125M502A401K	15.0	25.0	32.0	125M502A631K
1.5	11.0	20.0	32.0	155M502A401K	15.0	25.0	32.0	155M502A631K
1.8	13.0	22.0	32.0	185M502A401K	18.0	30.0	32.0	185M502A631K
2.2	15.0	25.0	32.0	225M502A401K	18.0	30.0	32.0	225M502A631K
2.7	15.0	25.0	32.0	275M502A401K				
3.3	18.0	30.0	32.0	335M502A401K				
3.9	18.0	30.0	32.0	395M502A401K				
4.7	18.0	30.0	32.0	475M502A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Miniature Metallized Polyester - Radial Epoxy Dipped

TYPE: M504 Series



L	7.5	10.0	12.5	18.5	26.0	31.0
S	5.0	7.5	10.0	15.0	22.5	27.5
d	0.5	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μ F)	63 VDC				100 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.5	7.5	102M504A630K	3.5	6.5	7.5	102M504A101K	4.0	7.0	10.0	102M504A251K
0.0012	3.5	6.5	7.5	122M504A630K	3.5	6.5	7.5	122M504A101K	4.0	7.0	10.0	122M504A251K
0.0015	3.5	6.5	7.5	152M504A630K	3.5	6.5	7.5	152M504A101K	4.0	7.0	10.0	152M504A251K
0.0018	3.5	6.5	7.5	182M504A630K	3.5	6.5	7.5	182M504A101K	4.0	7.0	10.0	182M504A251K
0.0022	3.5	6.5	7.5	222M504A630K	3.5	6.5	7.5	222M504A101K	4.0	7.0	10.0	222M504A251K
0.0027	3.5	6.5	7.5	272M504A630K	4.0	7.0	7.5	272M504A101K	4.0	7.5	10.0	272M504A251K
0.0033	3.5	6.5	7.5	332M504A630K	4.0	7.0	7.5	332M504A101K	4.0	7.5	10.0	332M504A251K
0.0039	3.5	6.5	7.5	392M504A630K	4.0	7.0	7.5	392M504A101K	4.0	7.5	10.0	392M504A251K
0.0047	3.5	6.5	7.5	472M504A630K	4.0	7.0	7.5	472M504A101K	4.0	7.5	10.0	472M504A251K
0.0056	3.5	6.5	7.5	562M504A630K	4.0	7.0	7.5	562M504A101K	4.0	7.5	10.0	562M504A251K
0.0068	3.5	6.5	7.5	682M504A630K	4.0	7.0	7.5	682M504A101K	4.0	7.5	10.0	682M504A251K
0.0082	3.5	6.5	7.5	822M504A630K	4.0	7.0	7.5	822M504A101K	4.0	7.5	10.0	822M504A251K
0.01	3.5	6.5	7.5	103M504A630K	4.0	7.5	7.5	103M504A101K	4.0	7.5	10.0	103M504A251K
0.012	3.5	6.5	7.5	123M504A630K	4.0	7.5	7.5	123M504A101K	4.0	7.5	10.0	123M504A251K
0.015	3.5	6.5	7.5	153M504A630K	4.0	7.5	7.5	153M504A101K	4.5	7.5	10.0	153M504A251K
0.018	3.5	6.5	7.5	183M504A630K	4.0	7.5	7.5	183M504A101K	4.5	7.5	10.0	183M504A251K
0.022	3.5	6.5	7.5	223M504A630K	4.0	7.5	7.5	223M504A101K	4.5	7.5	10.0	223M504A251K
0.027	3.5	6.5	7.5	273M504A630K	4.0	7.5	7.5	273M504A101K	4.5	7.5	10.0	273M504A251K
0.033	3.5	6.5	7.5	333M504A630K	4.0	7.5	7.5	333M504A101K	4.5	7.5	10.0	333M504A251K
0.039	3.5	6.5	7.5	393M504A630K	4.5	7.5	7.5	393M504A101K	4.5	7.5	10.0	393M504A251K
0.047	3.5	6.5	7.5	473M504A630K	4.5	7.5	7.5	473M504A101K	4.5	7.5	10.0	473M504A251K
0.056	3.5	6.5	7.5	563M504A630K	4.5	8.0	7.5	563M504A101K	4.5	8.0	10.0	563M504A251K
0.068	3.5	6.5	7.5	683M504A630K	5.0	8.5	7.5	683M504A101K	4.5	8.0	10.0	683M504A251K
0.082	3.5	7.0	7.5	823M504A630K	5.0	9.5	7.5	823M504A101K	5.0	8.5	10.0	823M504A251K
0.10	4.0	7.0	7.5	104M504A630K	5.0	10.0	7.5	104M504A101K	6.0	8.5	10.0	104M504A251K
0.12	4.0	7.0	7.5	124M504A630K	4.5	7.5	10.0	124M504A101K	6.0	9.0	10.0	124M504A251K
0.15	4.0	7.5	7.5	154M504A630K	4.5	7.5	10.0	154M504A101K	6.0	11.0	10.0	154M504A251K
0.18	4.0	8.0	7.5	184M504A630K	5.0	8.0	10.0	184M504A101K	5.0	10.0	12.5	184M504A251K
0.22	4.0	8.5	7.5	224M504A630K	5.0	8.5	10.0	224M504A101K	5.5	10.5	12.5	224M504A251K
0.27	4.5	9.0	7.5	274M504A630K	5.5	10.0	10.0	274M504A101K	6.0	11.5	12.5	274M504A251K
0.33	4.0	7.5	10.0	334M504A630K	6.0	10.5	10.0	334M504A101K	6.5	12.0	12.5	334M504A251K
0.39	4.0	8.0	10.0	394M504A630K	6.0	11.0	10.0	394M504A101K	5.0	12.0	18.5	394M504A251K
0.47	4.0	8.5	10.0	474M504A630K	6.0	12.0	10.0	474M504A101K	5.5	12.5	18.5	474M504A251K
0.56	4.5	9.0	10.0	564M504A630K	5.5	11.0	12.5	564M504A101K	5.5	13.0	18.5	564M504A251K
0.68	4.5	9.5	10.0	684M504A630K	6.0	12.0	12.5	684M504A101K	6.0	13.5	18.5	684M504A251K
0.82	5.0	10.0	10.0	824M504A630K	6.0	13.5	12.5	824M504A101K	6.5	14.5	18.5	824M504A251K
1.0	5.5	11.0	10.0	105M504A630K	7.0	14.0	12.5	105M504A101K	7.5	15.0	18.5	105M504A251K
1.2	5.5	11.0	12.5	125M504A630K	5.5	13.0	18.5	125M504A101K	8.0	16.0	18.5	125M504A251K
1.5	6.0	12.0	12.5	155M504A630K	6.0	13.5	18.5	155M504A101K	9.0	17.0	18.5	155M504A251K
1.8	5.0	9.5	18.5	185M504A630K	6.5	14.5	18.5	185M504A101K	7.5	15.5	26.0	185M504A251K
2.2	5.0	10.0	18.5	225M504A630K	7.0	15.0	18.5	225M504A101K	8.5	16.5	26.0	225M504A251K
2.7	5.5	11.0	18.5	275M504A630K	8.0	16.0	18.5	275M504A101K	9.5	17.0	26.0	275M504A251K
3.3	6.0	11.5	18.5	335M504A630K	8.5	16.5	18.5	335M504A101K	10.5	18.0	26.0	335M504A251K
3.9	6.5	12.0	18.5	395M504A630K	7.0	16.5	26.0	395M504A101K	11.0	20.5	26.0	395M504A251K
4.7	7.0	13.0	18.5	475M504A630K	7.5	17.0	26.0	475M504A101K	12.0	21.5	26.0	475M504A251K
5.6	8.0	14.0	18.5	565M504A630K	8.5	17.5	26.0	565M504A101K	12.0	21.0	31.0	565M504A251K
6.8	8.5	15.0	18.5	685M504A630K	9.0	18.5	26.0	685M504A101K	13.0	22.5	31.0	685M504A251K
8.2	8.0	14.0	26.0	825M504A630K	11.0	20.0	26.0	825M504A101K	14.5	24.0	31.0	825M504A251K
10.0	8.5	15.5	26.0	106M504A630K	11.5	21.0	26.0	106M504A101K	16.0	26.0	31.0	106M504A251K
12.0	9.0	16.5	26.0	126M504A630K	12.0	22.0	31.0	126M504A101K				
15.0	10.0	19.0	26.0	156M504A630K	13.0	24.0	31.0	156M504A101K				
18.0	9.5	17.0	31.0	186M504A630K	14.5	26.5	31.0	186M504A101K				
22.0	10.0	19.0	31.0	226M504A630K	16.0	28.0	31.0	226M504A101K				

*Other Values, Voltages, And Dimensions Are Available On Request



Miniature Metallized Polyester • Radial Epoxy Dipped

TYPE: M504 Series

(mm)

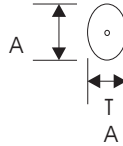
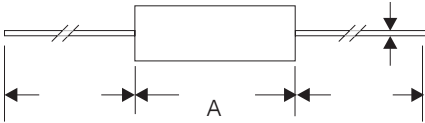
CAP. (μ F)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001								
0.0012								
0.0015								
0.0018								
0.0022								
0.0027								
0.0033								
0.0039								
0.0047								
0.0056								
0.0068								
0.0082								
0.01	4.5	7.5	10.0	103M504A401K	4.5	7.5	12.5	103M504A631K
0.012	4.5	7.5	10.0	123M504A401K	4.5	8.0	12.5	123M504A631K
0.015	4.5	7.5	10.0	153M504A401K	5.0	8.5	12.5	153M504A631K
0.018	4.5	7.5	10.0	183M504A401K	5.0	9.5	12.5	183M504A631K
0.022	5.0	8.5	10.0	223M504A401K	5.5	10.0	12.5	223M504A631K
0.027	5.5	9.0	10.0	273M504A401K	5.5	11.0	12.5	273M504A631K
0.033	6.0	9.5	10.0	333M504A401K	6.0	12.0	12.5	333M504A631K
0.039	5.0	8.0	12.5	393M504A401K	6.0	12.5	12.5	393M504A631K
0.047	5.0	8.5	12.5	473M504A401K	6.5	13.5	12.5	473M504A631K
0.056	5.0	9.5	12.5	563M504A401K	5.5	10.5	18.5	563M504A631K
0.068	5.5	10.5	12.5	683M504A401K	6.0	11.0	18.5	683M504A631K
0.082	6.0	11.0	12.5	823M504A401K	6.5	12.0	18.5	823M504A631K
0.10	6.5	12.0	12.5	104M504A401K	6.5	13.5	18.5	104M504A631K
0.12	5.0	10.0	18.5	124M504A401K	6.5	14.5	18.5	124M504A631K
0.15	5.0	12.5	18.5	154M504A401K	7.5	15.5	18.5	154M504A631K
0.18	5.5	12.5	18.5	184M504A401K	8.0	16.0	18.5	184M504A631K
0.22	6.0	13.0	18.5	224M504A401K	9.0	16.5	18.5	224M504A631K
0.27	6.5	14.5	18.5	274M504A401K	7.0	16.5	26.0	274M504A631K
0.33	7.0	15.0	18.5	334M504A401K	8.0	17.0	26.0	334M504A631K
0.39	7.5	15.5	18.5	394M504A401K	8.5	18.0	26.0	394M504A631K
0.47	8.0	17.0	18.5	474M504A401K	9.5	18.5	26.0	474M504A631K
0.56	6.5	16.0	26.0	564M504A401K	10.0	20.0	26.0	564M504A631K
0.68	7.0	16.5	26.0	684M504A401K	11.5	21.0	26.0	684M504A631K
0.82	8.0	17.5	26.0	824M504A401K	11.5	20.5	31.0	824M504A631K
1.0	8.5	19.0	26.0	105M504A401K	12.5	22.0	31.0	105M504A631K
1.2	9.5	19.0	26.0	125M504A401K	13.5	23.0	31.0	125M504A631K
1.5	9.5	19.0	31.0	155M504A401K	15.5	25.0	31.0	155M504A631K
1.8	11.0	20.5	31.0	185M504A401K	17.0	27.0	31.0	185M504A631K
2.2	12.5	22.0	31.0	225M504A401K	19.5	29.0	31.0	225M504A631K
2.7	13.5	23.0	31.0	275M504A401K				
3.3	15.0	25.0	31.0	335M504A401K				
3.9	16.5	27.0	31.0	395M504A401K				
4.7	19.5	30.0	31.0	475M504A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Miniature Metallized Polyester - Axial Oval Wrap & Fill

TYPE: M506 Series



L	11.0	14.0	19.0	26.5	32.0
d	0.5	0.6	0.6	0.8	0.8

(mm)

CAP. (μF)	63 VDC				100 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.01									3.5	6.0	11.0	103M506A251K
0.012									3.5	6.0	11.0	123M506A251K
0.015									3.5	6.0	11.0	153M506A251K
0.018									3.5	6.0	11.0	183M506A251K
0.022									3.5	6.0	11.0	223M506A251K
0.027									3.5	6.0	11.0	273M506A251K
0.033									3.5	6.0	11.0	333M506A251K
0.039									3.5	6.0	11.0	393M506A251K
0.047									3.5	6.0	11.0	473M506A251K
0.056									3.5	6.0	11.0	563M506A251K
0.068									3.5	6.0	11.0	683M506A251K
0.082									3.5	6.0	11.0	823M506A251K
0.10	3.5	6.0	11.0	104M506A630K	3.5	6.0	11.0	104M506A101K	3.5	6.5	11.0	104M506A251K
0.12	3.5	6.0	11.0	124M506A630K	3.5	6.0	11.0	124M506A101K	3.5	6.0	14.0	124M506A251K
0.15	3.5	6.0	11.0	154M506A630K	3.5	6.0	11.0	154M506A101K	4.0	7.0	14.0	154M506A251K
0.18	3.5	6.0	11.0	184M506A630K	3.5	6.5	11.0	184M506A101K	4.5	8.5	14.0	184M506A251K
0.22	3.5	6.0	11.0	224M506A630K	3.5	6.5	11.0	224M506A101K	5.0	10.0	14.0	224M506A251K
0.27	3.5	6.0	11.0	274M506A630K	3.5	6.0	14.0	274M506A101K	4.0	7.5	19.0	274M506A251K
0.33	3.5	6.0	11.0	334M506A630K	3.5	6.0	14.0	334M506A101K	4.5	8.5	19.0	334M506A251K
0.39	3.5	6.0	11.0	394M506A630K	3.5	6.5	14.0	394M506A101K	5.0	9.0	19.0	394M506A251K
0.47	3.5	6.0	11.0	474M506A630K	4.0	7.5	14.0	474M506A101K	5.0	9.5	19.0	474M506A251K
0.56	3.5	6.0	14.0	564M506A630K	3.5	6.5	19.0	564M506A101K	5.5	10.5	19.0	564M506A251K
0.68	3.5	6.0	14.0	684M506A630K	4.0	7.5	19.0	684M506A101K	6.0	11.5	19.0	684M506A251K
0.82	3.5	6.5	14.0	824M506A630K	4.5	8.0	19.0	824M506A101K	5.5	10.0	26.5	824M506A251K
1.0	4.0	7.5	14.0	105M506A630K	5.0	9.5	19.0	105M506A101K	6.0	11.0	26.5	105M506A251K
1.2	4.5	8.0	14.0	125M506A630K	5.5	10.0	19.0	125M506A101K	6.0	12.0	26.5	125M506A251K
1.5	5.0	8.5	14.0	155M506A630K	6.0	11.0	19.0	155M506A101K	7.0	13.0	26.5	155M506A251K
1.8	4.0	7.5	19.0	185M506A630K	5.5	10.0	26.5	185M506A101K	7.5	13.5	26.5	185M506A251K
2.2	4.5	8.5	19.0	225M506A630K	6.0	12.0	26.5	225M506A101K	8.0	14.0	26.5	225M506A251K
2.7	4.5	9.0	19.0	275M506A630K	6.5	12.5	26.5	275M506A101K	8.0	14.0	32.0	275M506A251K
3.3	5.0	9.5	19.0	335M506A630K	7.0	13.0	26.5	335M506A101K	8.5	14.5	32.0	335M506A251K
3.9	5.0	10.5	19.0	395M506A630K	7.5	13.5	26.5	395M506A101K	9.5	17.0	32.0	395M506A251K
4.7	5.5	11.0	19.0	475M506A630K	8.0	15.0	26.5	475M506A101K	10.0	19.0	32.0	475M506A251K
5.6	5.0	10.5	26.5	565M506A630K	7.5	13.5	32.0	565M506A101K	11.0	20.5	32.0	565M506A251K
6.8	5.5	11.0	26.5	685M506A630K	8.0	14.0	32.0	685M506A101K	11.5	22.0	32.0	685M506A251K
8.2	6.0	12.0	26.5	825M506A630K	8.5	15.5	32.0	825M506A101K	13.0	24.0	32.0	825M506A251K
10.0	7.5	13.5	26.5	106M506A630K	9.0	17.0	32.0	106M506A101K	14.5	26.0	32.0	106M506A251K
12.0	8.0	14.0	26.5	126M506A630K	9.5	18.5	32.0	126M506A101K				
15.0	7.0	13.0	32.0	156M506A630K	10.5	20.0	32.0	156M506A101K				
18.0	8.0	14.0	32.0	186M506A630K	12.0	22.0	32.0	186M506A101K				
22.0	8.5	15.5	32.0	226M506A630K	13.0	24.0	32.0	226M506A101K				
25.0	9.0	17.0	32.0	256M506A630K								
30.0	9.5	18.5	32.0	306M506A630K								
35.0	10.0	20.0	32.0	356M506A630K								
40.0	11.0	21.0	32.0	406M506A630K								
45.0	12.0	22.0	32.0	456M506A630K								
50.0	12.5	23.0	32.0	506M506A630K								

*Other Values, Voltages, And Dimensions Are Available On Request



Miniature Metallized Polyester - Axial Oval Wrap & Fill

TYPE: M506 Series

(mm)

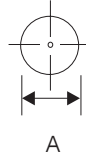
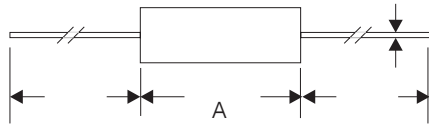
CAP. (μF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	3.5	6.0	11.0	103M506A401K	3.5	6.0	11.0	103M506A631K
0.012	3.5	6.0	11.0	123M506A401K	3.5	6.0	11.0	123M506A631K
0.015	3.5	6.0	11.0	153M506A401K	3.5	6.0	14.0	153M506A631K
0.018	3.5	6.0	11.0	183M506A401K	3.5	6.0	14.0	183M506A631K
0.022	3.5	6.0	11.0	223M506A401K	3.5	6.5	14.0	223M506A631K
0.027	3.5	6.0	11.0	273M506A401K	3.5	6.5	14.0	273M506A631K
0.033	3.5	6.0	11.0	333M506A401K	4.0	7.5	14.0	333M506A631K
0.039	3.5	6.0	11.0	393M506A401K	4.5	8.0	14.0	393M506A631K
0.047	3.5	6.0	11.0	473M506A401K	4.5	8.5	14.0	473M506A631K
0.056	3.5	6.0	14.0	563M506A401K	4.0	7.0	19.0	563M506A631K
0.068	3.5	6.0	14.0	683M506A401K	4.5	7.5	19.0	683M506A631K
0.082	4.0	7.5	14.0	823M506A401K	4.5	8.5	19.0	823M506A631K
0.10	4.5	8.5	14.0	104M506A401K	5.0	9.5	19.0	104M506A631K
0.12	4.0	8.0	19.0	124M506A401K	5.0	10.5	19.0	124M506A631K
0.15	4.5	8.5	19.0	154M506A401K	6.0	11.5	19.0	154M506A631K
0.18	5.0	9.5	19.0	184M506A401K	5.5	11.0	26.5	184M506A631K
0.22	5.5	10.5	19.0	224M506A401K	6.0	12.0	26.5	224M506A631K
0.27	5.5	11.0	19.0	274M506A401K	6.5	12.5	26.5	274M506A631K
0.33	6.0	11.5	19.0	334M506A401K	7.0	13.0	26.5	334M506A631K
0.39	5.5	11.0	26.5	394M506A401K	7.5	13.5	26.5	394M506A631K
0.47	6.0	11.5	26.5	474M506A401K	8.0	14.5	26.5	474M506A631K
0.56	6.5	12.5	26.5	564M506A401K	8.0	14.5	32.0	564M506A631K
0.68	7.0	13.0	26.5	684M506A401K	9.0	16.0	32.0	684M506A631K
0.82	7.5	13.5	26.5	824M506A401K	9.5	17.0	32.0	824M506A631K
1.0	8.0	15.0	26.5	105M506A401K	10.0	19.0	32.0	105M506A631K
1.2	8.0	15.0	32.0	125M506A401K	10.5	21.0	32.0	125M506A631K
1.5	9.0	16.5	32.0	155M506A401K	12.5	23.0	32.0	155M506A631K
1.8	9.5	18.0	32.0	185M506A401K	13.0	24.0	32.0	185M506A631K
2.2	10.0	19.0	32.0	225M506A401K	15.0	26.0	32.0	225M506A631K
2.7	11.5	21.5	32.0	275M506A401K				
3.3	13.0	23.0	32.0	335M506A401K				
3.9	13.5	24.5	32.0	395M506A401K				
4.7	15.5	26.5	32.0	475M506A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Miniature Metallized Polyester - Axial Round Wrap & Fill

TYPE: M508 Series



L	11.0	14.0	19.0	26.5	32.0
d	0.5	0.6	0.6	0.8	0.8

(mm)

CAP. (μ F)	63 VDC			100 VDC			250 VDC		
	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.01							5.0	11.0	103M508A251K
0.012							5.0	11.0	123M508A251K
0.015							5.0	11.0	153M508A251K
0.018							5.0	11.0	183M508A251K
0.022							5.0	11.0	223M508A251K
0.027							5.0	11.0	273M508A251K
0.033							5.0	11.0	333M508A251K
0.039							5.0	11.0	393M508A251K
0.047							5.0	11.0	473M508A251K
0.056							5.0	11.0	563M508A251K
0.068							5.0	11.0	683M508A251K
0.082							5.0	11.0	823M508A251K
0.10	4.5	11.0	104M508A630K	5.0	11.0	104M508A101K	5.5	11.0	104M508A251K
0.12	4.5	11.0	124M508A630K	5.0	11.0	124M508A101K	5.5	14.0	124M508A251K
0.15	4.5	11.0	154M508A630K	5.0	11.0	154M508A101K	6.0	14.0	154M508A251K
0.18	5.0	11.0	184M508A630K	5.5	11.0	184M508A101K	7.0	14.0	184M508A251K
0.22	5.0	11.0	224M508A630K	5.5	11.0	224M508A101K	7.5	14.0	224M508A251K
0.27	5.0	11.0	274M508A630K	5.0	14.0	274M508A101K	6.0	19.0	274M508A251K
0.33	5.0	11.0	334M508A630K	5.0	14.0	334M508A101K	6.5	19.0	334M508A251K
0.39	5.0	11.0	394M508A630K	5.5	14.0	394M508A101K	7.0	19.0	394M508A251K
0.47	5.0	11.0	474M508A630K	6.5	14.0	474M508A101K	7.5	19.0	474M508A251K
0.56	5.0	14.0	564M508A630K	6.0	19.0	564M508A101K	8.0	19.0	564M508A251K
0.68	5.5	14.0	684M508A630K	6.5	19.0	684M508A101K	8.5	19.0	684M508A251K
0.82	6.0	14.0	824M508A630K	7.0	19.0	824M508A101K	8.0	26.5	824M508A251K
1.0	6.5	14.0	105M508A630K	7.5	19.0	105M508A101K	8.5	26.5	105M508A251K
1.2	7.0	14.0	125M508A630K	8.0	19.0	125M508A101K	9.0	26.5	125M508A251K
1.5	7.5	14.0	155M508A630K	8.5	19.0	155M508A101K	10.0	26.5	155M508A251K
1.8	6.0	19.0	185M508A630K	8.0	26.5	185M508A101K	10.5	26.5	185M508A251K
2.2	6.5	19.0	225M508A630K	9.0	26.5	225M508A101K	11.5	26.5	225M508A251K
2.7	7.0	19.0	275M508A630K	9.5	26.5	275M508A101K	11.0	32.0	275M508A251K
3.3	7.5	19.0	335M508A630K	10.5	26.5	335M508A101K	12.0	32.0	335M508A251K
3.9	8.0	19.0	395M508A630K	11.0	26.5	395M508A101K	13.0	32.0	395M508A251K
4.7	8.5	19.0	475M508A630K	11.5	26.5	475M508A101K	14.5	32.0	475M508A251K
5.6	8.0	26.5	565M508A630K	11.0	32.0	565M508A101K	16.0	32.0	565M508A251K
6.8	8.5	26.5	685M508A630K	12.0	32.0	685M508A101K	17.0	32.0	685M508A251K
8.2	9.0	26.5	825M508A630K	12.5	32.0	825M508A101K	19.0	32.0	825M508A251K
10.0	10.0	26.5	106M508A630K	13.5	32.0	106M508A101K	20.5	32.0	106M508A251K
12.0	11.0	26.5	126M508A630K	14.5	32.0	126M508A101K			
15.0	10.5	32.0	156M508A630K	16.0	32.0	156M508A101K			
18.0	11.5	32.0	186M508A630K	17.5	32.0	186M508A101K			
22.0	12.5	32.0	226M508A630K	19.0	32.0	226M508A101K			
25.0	13.5	32.0	256M508A630K						
30.0	14.5	32.0	306M508A630K						
35.0	15.5	32.0	356M508A630K						
40.0	16.5	32.0	406M508A630K						
45.0	17.5	32.0	456M508A630K						
50.0	18.0	32.0	506M508A630K						

*Other Values, Voltages, And Dimensions Are Available On Request



Miniature Metallized Polyester - Axial Round Wrap & Fill

TYPE: M508 Series

(mm)

CAP. (μF)	400 VDC			630 VDC		
	D	L	Part No.	D	L	Part No.
0.01	5.0	11.0	103M508A401K	5.0	11.0	103M508A631K
0.012	5.0	11.0	123M508A401K	5.0	11.0	123M508A631K
0.015	5.0	11.0	153M508A401K	5.0	14.0	153M508A631K
0.018	5.0	11.0	183M508A401K	5.0	14.0	183M508A631K
0.022	5.0	11.0	223M508A401K	5.5	14.0	223M508A631K
0.027	5.0	11.0	273M508A401K	6.0	14.0	273M508A631K
0.033	5.0	11.0	333M508A401K	6.0	14.0	333M508A631K
0.039	5.0	11.0	393M508A401K	6.5	14.0	393M508A631K
0.047	5.5	11.0	473M508A401K	7.0	14.0	473M508A631K
0.056	5.0	14.0	563M508A401K	6.0	19.0	563M508A631K
0.068	5.5	14.0	683M508A401K	6.5	19.0	683M508A631K
0.082	6.0	14.0	823M508A401K	6.5	19.0	823M508A631K
0.10	6.5	14.0	104M508A401K	7.5	19.0	104M508A631K
0.12	6.5	19.0	124M508A401K	8.0	19.0	124M508A631K
0.15	7.0	19.0	154M508A401K	8.5	19.0	154M508A631K
0.18	7.5	19.0	184M508A401K	8.0	26.5	184M508A631K
0.22	8.0	19.0	224M508A401K	9.0	26.5	224M508A631K
0.27	8.5	19.0	274M508A401K	10.0	26.5	274M508A631K
0.33	9.0	19.0	334M508A401K	10.5	26.5	334M508A631K
0.39	8.5	26.5	394M508A401K	11.0	26.5	394M508A631K
0.47	9.0	26.5	474M508A401K	12.0	26.5	474M508A631K
0.56	9.5	26.5	564M508A401K	12.0	32.0	564M508A631K
0.68	10.0	26.5	684M508A401K	13.0	32.0	684M508A631K
0.82	11.0	26.5	824M508A401K	14.0	32.0	824M508A631K
1.0	13.0	26.5	105M508A401K	15.5	32.0	105M508A631K
1.2	12.5	32.0	125M508A401K	16.5	32.0	125M508A631K
1.5	13.0	32.0	155M508A401K	18.0	32.0	155M508A631K
1.8	14.5	32.0	185M508A401K	19.0	32.0	185M508A631K
2.2	15.5	32.0	225M508A401K	21.0	32.0	225M508A631K
2.7	17.0	32.0	275M508A401K			
3.3	18.5	32.0	335M508A401K			
3.9	20.0	32.0	395M508A401K			
4.7	22.0	32.0	475M508A401K			

*Other Values, Voltages, And Dimensions Are Available On Request



Low ESR Metallized Polyester Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
M606	Axial Oval Wrap & Fill	1.0 To 4.7	±5% To ±20%	3 - 62

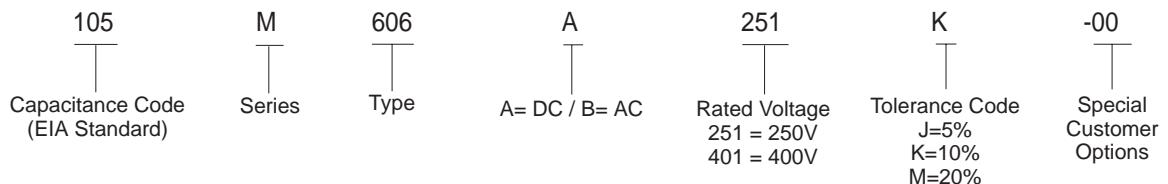
Features

- 1) Extended foil, non-inductive construction
- 2) Small size and self healing properties
- 3) Low dissipation factor, and low ESR values
- 4) High insulation resistance and high humidity resistance
- 5) High current-up to 4 Amps. for 20Khz thru 60Khz
- 6) Special high current termination

Applications

- 1) HI-Frequency transformer DC blocking
- 2) HI-Frequency ripple filtering
- 3) Input and output filtering
- 4) Snubber and SCR commutating circuits
- 5) Switching power supplies
- 6) Ignition processes
- 7) Electrolytic replacement

Part Numbering System



Specifications

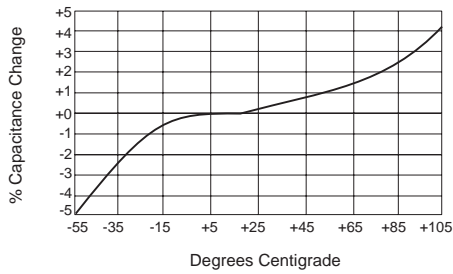
- 1) Operating Temperature Range: -55°C To +105°C with full Rated Voltage applied
- 2) Dissipation Factor: 1.0% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 250VDC, 400VDC
- 4) Dielectric Strength: 200% of Rated Voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at 100VDC, the minimum IR shall be ≥10,000 Megohms X MFD(sec)
- 6) Equivalent Series Resistance: Maximum ESR in milliohm measured at 100KHz and +25°C
- 7) Capacitance Change: Temperature coefficient +400 (±200) PPM/°C



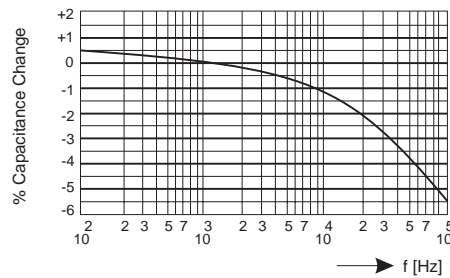
Low ESR Metallized Polyester

TYPE: M606 Series

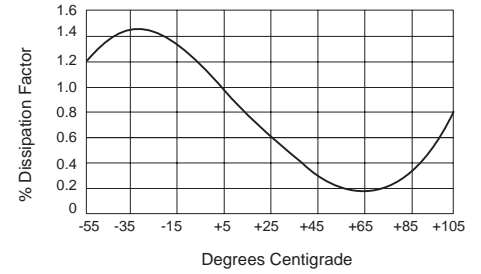
Capacitance Change vs. Temperature At 1KHz



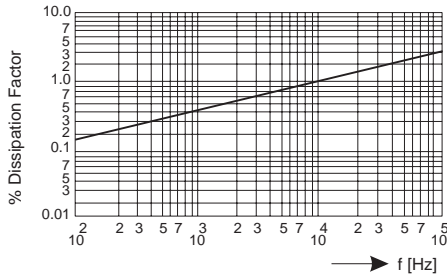
Capacitance Change vs. Frequency (Room Temp.)



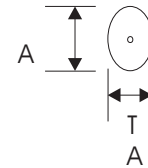
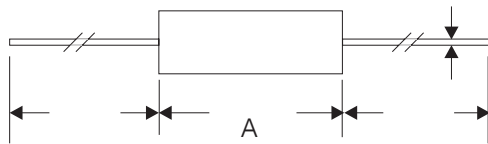
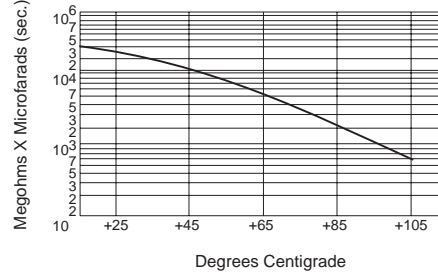
Dissipation Factor vs. Temperature At 1KHz



Dissipation Factor vs. Frequency (Room Temp.)



Insulation Resistance vs. Temperature



(mm)

CAP. (μ F)	250 VDC				Part No.	20 - 100KHZ ESR MAX:	I RMS (amps)	I PEAK (amps)
	T	H	L	d				
1.0	8.5	13.5	26.5	0.8	105M606A251K	39	2	7
1.5	10.5	17.0	26.5	0.8	155M606A251K	32	2	11
2.2	13.5	21.0	26.5	0.8	225M606A251K	26	3	16
3.3	13.5	21.0	32.0	0.8	335M606A251K	21	4	19
4.7	16.0	25.0	32.0	1.0	475M606A251K	17	4	26
CAP. (μ F)	400 VDC				Part No.	20 - 100KHZ ESR MAX:	I RMS (amps)	I PEAK (amps)
	T	H	L	d				
1.0	13.0	21.0	26.5	0.8	105M606A401K	39	2	10
1.5	16.5	25.0	26.5	1.0	155M606A401K	32	3	14
2.2	14.5	23.0	38.0	1.0	225M606A401K	26	4	16
3.3	18.5	27.0	38.0	1.0	335M606A401K	21	4	23
4.7	23.5	32.0	38.0	1.0	475M606A401K	17	4	33

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polycarbonate - Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
C102	Radial Box	0.001 To 22.0	±1% To ±20%	3 - 66
C104	Radial Epoxy Dip	0.001 To 22.0	±1% To ±20%	3 - 68
C106	Axial Oval Wrap & Fill	0.001 To 22.0	±1% To ±20%	3 - 70
C108	Axial Round Wrap & Fill	0.001 To 22.0	±1% To ±20%	3 - 72

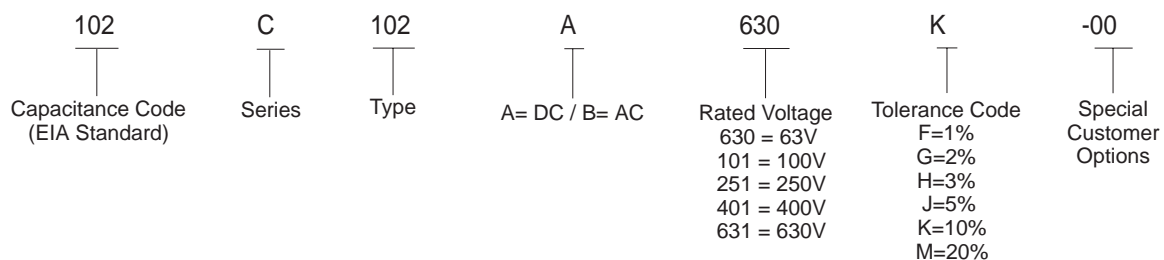
Features

- 1) Extended foil, non-inductive construction
- 2) Small size and self healing properties
- 3) Low dissipation factor and low temperature coefficient of capacitance
- 4) High insulation resistance and wide temperature range
- 5) Superior high frequency characteristics and long term stability

Applications

- 1) Filter networks
- 2) Critical timing circuits
- 3) Fixed tuning circuits
- 4) Coupling and decoupling
- 5) Temperature compensation
- 6) Feedback circuits
- 7) Analogur circuits

Part Numbering System



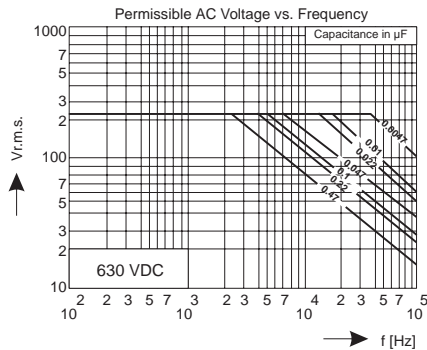
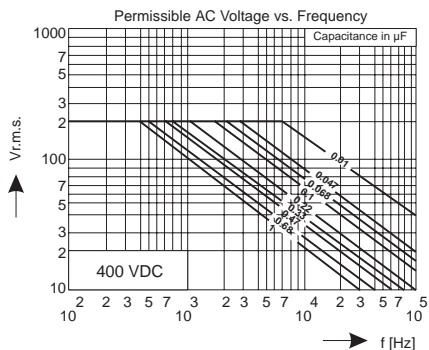
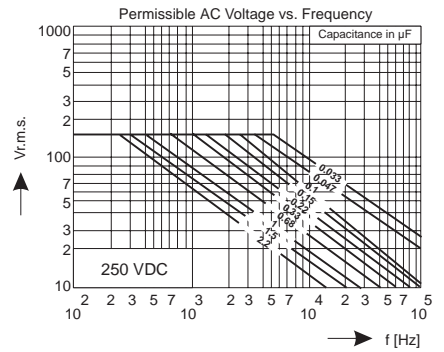
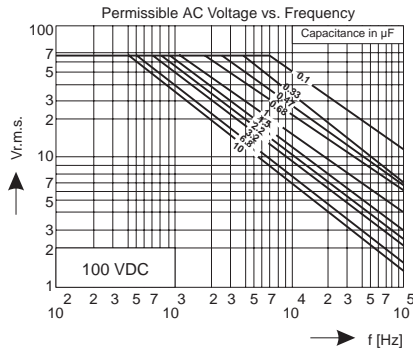
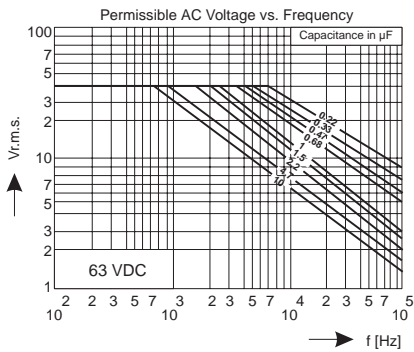
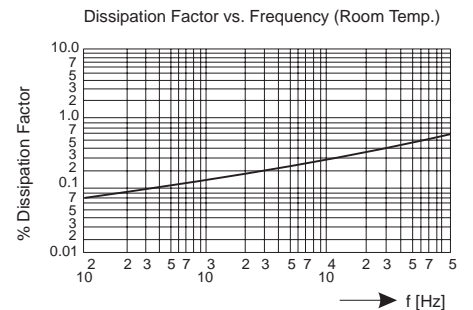
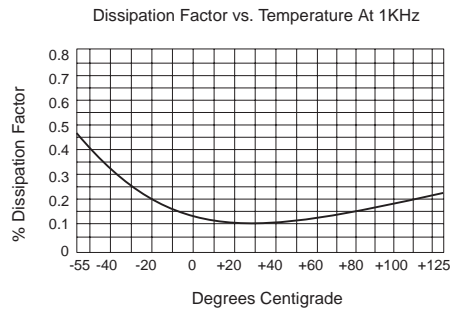
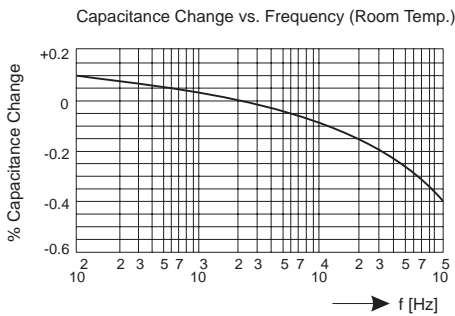
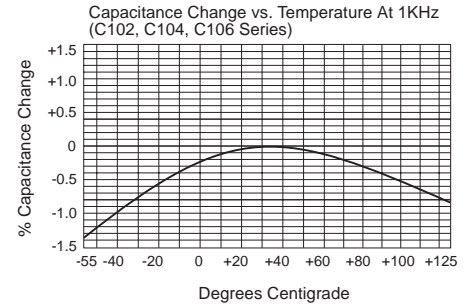
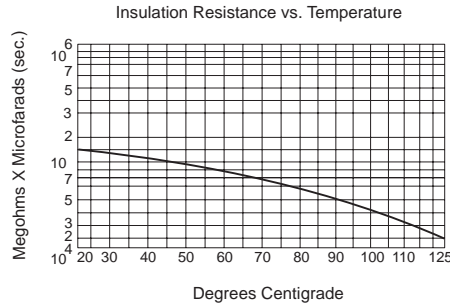
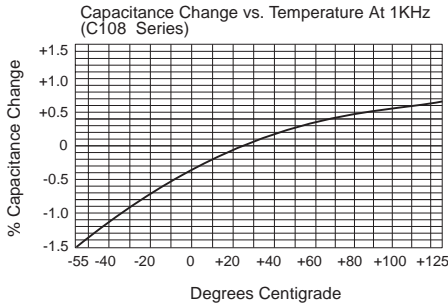
Specifications

- 1) Operating Temperature Range: -55°C To +125°C with full Rated Voltage applied
- 2) Dissipation Factor: 0.3% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 63VDC, 100VDC, 250VDC, 400VDC, 630VDC
- 4) Dielectric Strength: 200% of rated voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at rated DC voltage or 500VDC, the minimum IR shall be
 ≥30,000 Megohms for C≤0.33uF and rated voltage >100VDC,
 ≥15,000 Megohms for C≤0.33uF and rated voltage ≤100VDC,
 ≥10,000 Megohms x MFD(sec) for C>0.33uF and rated voltage >100VDC,
 ≥5,000 Megohms x MFD(sec) for C> 0.33uF and rated voltage ≤100VDC
- 6) Dielectric Absorption: 0.2% Maximum at +25°C
- 7) Capacitance Change: Temperature coefficient ± (100 ± 50) PPM/°C



Metallized Polycarbonate

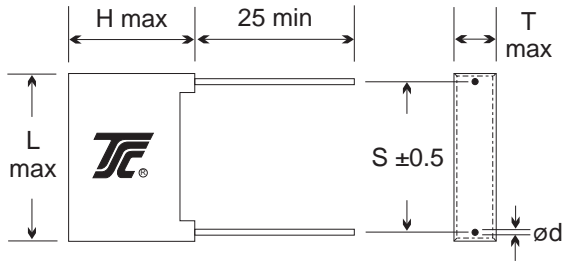
TYPE: C102, C104, C106, C108 Series





Metallized Polycarbonate • Radial Box

TYPE: C102 Series



L	10.5	13.0	18.0	26.5	32.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μF)	63 VDC				100 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	9.0	10.5	102C102A630K	4.0	9.0	10.5	102C102A101K	4.0	9.0	10.5	102C102A251K
0.0012	4.0	9.0	10.5	122C102A630K	4.0	9.0	10.5	122C102A101K	4.0	9.0	10.5	122C102A251K
0.0015	4.0	9.0	10.5	152C102A630K	4.0	9.0	10.5	152C102A101K	4.0	9.0	10.5	152C102A251K
0.0018	4.0	9.0	10.5	182C102A630K	4.0	9.0	10.5	182C102A101K	4.0	9.0	10.5	182C102A251K
0.0022	4.0	9.0	10.5	222C102A630K	4.0	9.0	10.5	222C102A101K	4.0	9.0	10.5	222C102A251K
0.0027	4.0	9.0	10.5	272C102A630K	4.0	9.0	10.5	272C102A101K	4.0	9.0	10.5	272C102A251K
0.0033	4.0	9.0	10.5	332C102A630K	4.0	9.0	10.5	332C102A101K	4.0	9.0	10.5	332C102A251K
0.0039	4.0	9.0	10.5	392C102A630K	4.0	9.0	10.5	392C102A101K	4.0	9.0	10.5	392C102A251K
0.0047	4.0	9.0	10.5	472C102A630K	4.0	9.0	10.5	472C102A101K	4.0	9.0	10.5	472C102A251K
0.0056	4.0	9.0	10.5	562C102A630K	4.0	9.0	10.5	562C102A101K	4.0	9.0	10.5	562C102A251K
0.0068	4.0	9.0	10.5	682C102A630K	4.0	9.0	10.5	682C102A101K	4.0	9.0	10.5	682C102A251K
0.0082	4.0	9.0	10.5	822C102A630K	4.0	9.0	10.5	822C102A101K	4.0	9.0	10.5	822C102A251K
0.01	4.0	9.0	10.5	103C102A630K	4.0	9.0	10.5	103C102A101K	4.0	9.0	10.5	103C102A251K
0.012	4.0	9.0	10.5	123C102A630K	4.0	9.0	10.5	123C102A101K	4.0	9.0	10.5	123C102A251K
0.015	4.0	9.0	10.5	153C102A630K	4.0	9.0	10.5	153C102A101K	4.0	9.0	10.5	153C102A251K
0.018	4.0	9.0	10.5	183C102A630K	4.0	9.0	10.5	183C102A101K	4.0	9.0	10.5	183C102A251K
0.022	4.0	9.0	10.5	223C102A630K	4.0	9.0	10.5	223C102A101K	4.0	9.0	10.5	223C102A251K
0.027	4.0	9.0	10.5	273C102A630K	4.0	9.0	10.5	273C102A101K	4.0	9.0	10.5	273C102A251K
0.033	4.0	9.0	10.5	333C102A630K	4.0	9.0	10.5	333C102A101K	4.0	9.0	10.5	333C102A251K
0.039	4.0	9.0	10.5	393C102A630K	4.0	9.0	10.5	393C102A101K	4.0	9.0	13.0	393C102A251K
0.047	4.0	9.0	10.5	473C102A630K	4.0	9.0	10.5	473C102A101K	5.0	11.0	13.0	473C102A251K
0.056	4.0	9.0	10.5	563C102A630K	4.0	9.0	10.5	563C102A101K	5.0	11.0	13.0	563C102A251K
0.068	4.0	9.0	10.5	683C102A630K	4.0	9.0	10.5	683C102A101K	6.0	12.0	13.0	683C102A251K
0.082	4.0	9.0	10.5	823C102A630K	4.0	9.0	13.0	823C102A101K	5.0	11.0	18.0	823C102A251K
0.10	4.0	9.0	10.5	104C102A630K	4.0	9.0	13.0	104C102A101K	5.0	11.0	18.0	104C102A251K
0.12	4.0	9.0	10.5	124C102A630K	5.0	11.0	13.0	124C102A101K	6.0	12.0	18.0	124C102A251K
0.15	4.0	9.0	10.5	154C102A630K	5.0	11.0	13.0	154C102A101K	6.0	12.0	18.0	154C102A251K
0.18	4.0	9.0	13.0	184C102A630K	6.0	12.0	13.0	184C102A101K	7.5	13.5	18.0	184C102A251K
0.22	4.0	9.0	13.0	224C102A630K	6.0	12.0	13.0	224C102A101K	7.5	13.5	18.0	224C102A251K
0.27	4.0	9.0	13.0	274C102A630K	5.0	11.0	18.0	274C102A101K	8.5	15.0	18.0	274C102A251K
0.33	4.0	9.0	13.0	334C102A630K	5.0	11.0	18.0	334C102A101K	8.5	15.0	18.0	334C102A251K
0.39	5.0	11.0	13.0	394C102A630K	6.0	12.0	18.0	394C102A101K	7.0	16.5	26.5	394C102A251K
0.47	5.0	11.0	13.0	474C102A630K	7.5	13.5	18.0	474C102A101K	7.0	16.5	26.5	474C102A251K
0.56	6.0	12.0	13.0	564C102A630K	7.5	13.5	18.0	564C102A101K	8.5	17.0	26.5	564C102A251K
0.68	6.0	12.0	13.0	684C102A630K	8.5	15.0	18.0	684C102A101K	8.5	17.0	26.5	684C102A251K
0.82	5.0	11.0	18.0	824C102A630K	7.0	16.5	26.5	824C102A101K	10.0	19.0	26.5	824C102A251K
1.0	5.0	11.0	18.0	105C102A630K	7.0	16.5	26.5	105C102A101K	10.0	19.0	26.5	105C102A251K
1.2	6.0	12.0	18.0	125C102A630K	8.5	17.0	26.5	125C102A101K	11.0	20.0	32.0	125C102A251K
1.5	6.0	12.0	18.0	155C102A630K	8.5	17.0	26.5	155C102A101K	13.0	22.0	32.0	155C102A251K
1.8	7.5	13.5	18.0	185C102A630K	10.0	19.0	26.5	185C102A101K	15.0	25.0	32.0	185C102A251K
2.2	7.5	13.5	18.0	225C102A630K	10.0	19.0	26.5	225C102A101K	15.0	25.0	32.0	225C102A251K
2.7	7.0	16.5	26.5	275C102A630K	11.0	20.0	32.0	275C102A101K				
3.3	7.0	16.5	26.5	335C102A630K	11.0	20.0	32.0	335C102A101K				
3.9	8.5	17.0	26.5	395C102A630K	13.0	22.0	32.0	395C102A101K				
4.7	8.5	17.0	26.5	475C102A630K	13.0	22.0	32.0	475C102A101K				
5.6	10.0	19.0	26.5	565C102A630K	15.0	25.0	32.0	565C102A101K				
6.8	10.0	19.0	26.5	685C102A630K	15.0	25.0	32.0	685C102A101K				
8.2	11.0	20.0	32.0	825C102A630K	18.0	30.0	32.0	825C102A101K				
10.0	11.0	20.0	32.0	106C102A630K	18.0	30.0	32.0	106C102A101K				
12.0	13.0	22.0	32.0	126C102A630K								
15.0	15.0	25.0	32.0	156C102A630K								
18.0	15.0	25.0	32.0	186C102A630K								
22.0	18.0	30.0	32.0	226C102A630K								

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polycarbonate ▪ Radial Box

TYPE: C102 Series

(mm)

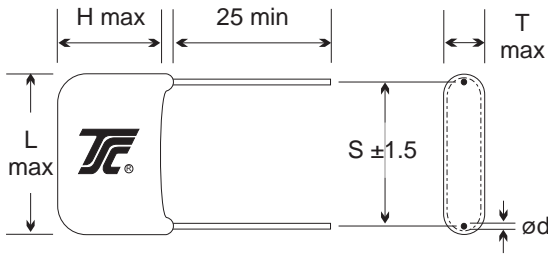
CAP. (μF)	400 VDC				630 VDC				
	T	H	L	Part No.	T	H	L	Part No.	
0.001	4.0	9.0	10.5	102C102A401K	4.0	9.0	10.5	102C102A631K	
0.0012	4.0	9.0	10.5	122C102A401K	4.0	9.0	10.5	122C102A631K	
0.0015	4.0	9.0	10.5	152C102A401K	4.0	9.0	10.5	152C102A631K	
0.0018	4.0	9.0	10.5	182C102A401K	4.0	9.0	10.5	182C102A631K	
0.0022	4.0	9.0	10.5	222C102A401K	4.0	9.0	10.5	222C102A631K	
0.0027	4.0	9.0	10.5	272C102A401K	4.0	9.0	10.5	272C102A631K	
0.0033	4.0	9.0	10.5	332C102A401K	4.0	9.0	10.5	332C102A631K	
0.0039	4.0	9.0	10.5	392C102A401K	4.0	9.0	13.0	392C102A631K	
0.0047	4.0	9.0	10.5	472C102A401K	4.0	9.0	13.0	472C102A631K	
0.0056	4.0	9.0	10.5	562C102A401K	4.0	9.0	13.0	562C102A631K	
0.0068	4.0	9.0	10.5	682C102A401K	4.0	9.0	13.0	682C102A631K	
0.0082	4.0	9.0	10.5	822C102A401K	4.0	9.0	13.0	822C102A631K	
0.01	4.0	9.0	10.5	103C102A401K	5.0	11.0	13.0	103C102A631K	
0.012	4.0	9.0	13.0	123C102A401K	5.0	11.0	13.0	123C102A631K	
0.015	4.0	9.0	13.0	153C102A401K	6.0	12.0	13.0	153C102A631K	
0.018	4.0	9.0	13.0	183C102A401K	5.0	11.0	18.0	183C102A631K	
0.022	5.0	11.0	13.0	223C102A401K	6.0	12.0	18.0	223C102A631K	
0.027	5.0	11.0	13.0	273C102A401K	6.0	12.0	18.0	273C102A631K	
0.033	5.0	11.0	13.0	333C102A401K	7.5	13.5	18.0	333C102A631K	
0.039	6.0	12.0	13.0	393C102A401K	7.5	13.5	18.0	393C102A631K	
0.047	6.0	12.0	13.0	473C102A401K	7.5	13.5	18.0	473C102A631K	
0.056	5.0	11.0	18.0	563C102A401K	8.5	15.0	18.0	563C102A631K	
0.068	5.0	11.0	18.0	683C102A401K	8.5	15.0	18.0	683C102A631K	
0.082	5.0	11.0	18.0	823C102A401K	7.0	16.5	26.5	823C102A631K	
0.10	6.0	12.0	18.0	104C102A401K	8.5	17.0	26.5	104C102A631K	
0.12	6.0	12.0	18.0	124C102A401K	10.0	19.0	26.5	124C102A631K	
0.15	7.5	13.5	18.0	154C102A401K	10.0	19.0	26.5	154C102A631K	
0.18	7.0	16.5	26.5	184C102A401K	11.0	20.0	32.0	184C102A631K	
0.22	7.0	16.5	26.5	224C102A401K	11.0	20.0	32.0	224C102A631K	
0.27	8.5	17.0	26.5	274C102A401K	11.0	20.0	32.0	274C102A631K	
0.33	8.5	17.0	26.5	334C102A401K	13.0	22.0	32.0	334C102A631K	
0.39	10.0	19.0	26.5	394C102A401K	13.0	22.0	32.0	394C102A631K	
0.47	10.0	19.0	26.5	474C102A401K	15.0	25.0	32.0	474C102A631K	
0.56	11.0	20.0	32.0	564C102A401K	15.0	25.0	32.0	564C102A631K	
0.68	11.0	20.0	32.0	684C102A401K	18.0	30.0	32.0	684C102A631K	
0.82	13.0	22.0	32.0	824C102A401K	18.0	30.0	32.0	824C102A631K	
1.0	15.0	25.0	32.0	105C102A401K	18.0	30.0	32.0	105C102A631K	
1.2	18.0	30.0	32.0	125C102A401K					
1.5	18.0	30.0	32.0	155C102A401K					
1.8	18.0	30.0	32.0	185C102A401K					
2.2	18.0	30.0	32.0	225C102A401K					

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polycarbonate ▪ Radial Epoxy Dipped

TYPE: C104 Series



L	10.0	12.5	18.0	26.0	31.0
s	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μ F)	63 VDC				100 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	8.0	10.0	102C104A630K	4.0	8.0	10.0	102C104A101K	4.0	8.0	10.0	102C104A251K
0.0012	4.0	8.0	10.0	122C104A630K	4.0	8.0	10.0	122C104A101K	4.0	8.0	10.0	122C104A251K
0.0015	4.0	8.0	10.0	152C104A630K	4.0	8.0	10.0	152C104A101K	4.0	8.0	10.0	152C104A251K
0.0018	4.0	8.0	10.0	182C104A630K	4.0	8.0	10.0	182C104A101K	4.0	8.0	10.0	182C104A251K
0.0022	4.0	8.0	10.0	222C104A630K	4.0	8.0	10.0	222C104A101K	4.0	8.0	10.0	222C104A251K
0.0027	4.0	8.0	10.0	272C104A630K	4.0	8.0	10.0	272C104A101K	4.0	8.0	10.0	272C104A251K
0.0033	4.0	8.0	10.0	332C104A630K	4.0	8.0	10.0	332C104A101K	4.0	8.0	10.0	332C104A251K
0.0039	4.0	8.0	10.0	392C104A630K	4.0	8.0	10.0	392C104A101K	4.0	8.0	10.0	392C104A251K
0.0047	4.0	8.0	10.0	472C104A630K	4.0	8.0	10.0	472C104A101K	4.0	8.0	10.0	472C104A251K
0.0056	4.0	8.0	10.0	562C104A630K	4.0	8.0	10.0	562C104A101K	4.0	8.0	10.0	562C104A251K
0.0068	4.0	8.0	10.0	682C104A630K	4.0	8.0	10.0	682C104A101K	4.0	8.0	10.0	682C104A251K
0.0082	4.0	8.0	10.0	822C104A630K	4.0	8.0	10.0	822C104A101K	4.0	8.0	10.0	822C104A251K
0.01	4.0	8.0	10.0	103C104A630K	4.0	8.0	10.0	103C104A101K	4.0	8.0	10.0	103C104A251K
0.012	4.0	8.0	10.0	123C104A630K	4.0	8.0	10.0	123C104A101K	4.0	8.0	10.0	123C104A251K
0.015	4.0	8.0	10.0	153C104A630K	4.0	8.0	10.0	153C104A101K	4.5	8.5	10.0	153C104A251K
0.018	4.0	8.0	10.0	183C104A630K	4.0	8.0	10.0	183C104A101K	4.5	8.5	10.0	183C104A251K
0.022	4.0	8.0	10.0	223C104A630K	4.0	8.0	10.0	223C104A101K	4.5	8.5	10.0	223C104A251K
0.027	4.0	8.0	10.0	273C104A630K	4.0	8.0	10.0	273C104A101K	4.5	8.5	10.0	273C104A251K
0.033	4.0	8.0	10.0	333C104A630K	4.0	8.0	10.0	333C104A101K	4.5	9.0	10.0	333C104A251K
0.039	4.0	8.0	10.0	393C104A630K	4.0	8.0	10.0	393C104A101K	4.5	9.0	12.5	393C104A251K
0.047	4.0	8.0	10.0	473C104A630K	4.0	8.0	10.0	473C104A101K	5.0	9.5	12.5	473C104A251K
0.056	4.0	8.0	10.0	563C104A630K	4.0	8.0	10.0	563C104A101K	5.0	10.0	12.5	563C104A251K
0.068	4.0	8.0	10.0	683C104A630K	4.5	8.5	10.0	683C104A101K	5.5	10.5	12.5	683C104A251K
0.082	4.0	8.0	10.0	823C104A630K	4.0	8.0	12.5	823C104A101K	5.0	10.0	18.0	823C104A251K
0.10	4.0	8.0	10.0	104C104A630K	4.5	9.0	12.5	104C104A101K	5.5	10.5	18.0	104C104A251K
0.12	4.0	8.0	10.0	124C104A630K	4.5	9.5	12.5	124C104A101K	6.0	12.0	18.0	124C104A251K
0.15	4.0	8.0	10.0	154C104A630K	5.0	10.0	12.5	154C104A101K	6.5	12.5	18.0	154C104A251K
0.18	4.0	8.0	12.5	184C104A630K	5.5	10.5	12.5	184C104A101K	7.0	13.0	18.0	184C104A251K
0.22	4.0	8.5	12.5	224C104A630K	6.0	11.0	12.5	224C104A101K	7.5	13.5	18.0	224C104A251K
0.27	4.5	8.5	12.5	274C104A630K	5.5	10.5	18.0	274C104A101K	8.0	14.0	18.0	274C104A251K
0.33	4.5	9.0	12.5	334C104A630K	5.5	11.0	18.0	334C104A101K	8.5	15.5	18.0	334C104A251K
0.39	5.0	9.5	12.5	394C104A630K	6.0	12.0	18.0	394C104A101K	7.5	13.5	26.0	394C104A251K
0.47	5.5	10.0	12.5	474C104A630K	7.0	13.0	18.0	474C104A101K	8.0	15.0	26.0	474C104A251K
0.56	5.5	10.5	12.5	564C104A630K	7.5	14.0	18.0	564C104A101K	8.5	16.0	26.0	564C104A251K
0.68	6.0	11.0	12.5	684C104A630K	8.0	15.0	18.0	684C104A101K	9.0	17.0	26.0	684C104A251K
0.82	5.0	9.5	18.0	824C104A630K	7.0	13.0	26.0	824C104A101K	9.5	18.0	26.0	824C104A251K
1.0	5.5	10.5	18.0	105C104A630K	7.5	13.5	26.0	105C104A101K	10.5	20.0	26.0	105C104A251K
1.2	6.0	11.0	18.0	125C104A630K	8.5	15.5	26.0	125C104A101K	10.5	20.0	31.0	125C104A251K
1.5	6.5	12.0	18.0	155C104A630K	9.0	16.5	26.0	155C104A101K	11.5	21.5	31.0	155C104A251K
1.8	7.0	13.0	18.0	185C104A630K	9.5	18.0	26.0	185C104A101K	13.0	22.0	31.0	185C104A251K
2.2	7.5	13.5	18.0	225C104A630K	10.0	19.0	26.0	225C104A101K	14.0	25.5	31.0	225C104A251K
2.7	7.0	13.0	26.0	275C104A630K	10.0	19.0	31.0	275C104A101K				
3.3	7.5	13.5	26.0	335C104A630K	10.5	20.0	31.0	335C104A101K				
3.9	8.5	15.0	26.0	395C104A630K	11.5	21.0	31.0	395C104A101K				
4.7	9.5	17.0	26.0	475C104A630K	12.5	22.0	31.0	475C104A101K				
5.6	10.0	19.0	26.0	565C104A630K	13.0	23.0	31.0	565C104A101K				
6.8	11.0	20.0	26.0	685C104A630K	14.5	25.0	31.0	685C104A101K				
8.2	9.5	18.0	31.0	825C104A630K	16.0	28.0	31.0	825C104A101K				
10.0	10.5	19.0	31.0	106C104A630K	17.5	30.0	31.0	106C104A101K				
12.0	11.0	20.5	31.0	126C104A630K								
15.0	12.5	23.0	31.0	156C104A630K								
18.0	14.0	24.0	31.0	186C104A630K								
22.0	15.0	26.0	31.0	226C104A630K								

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polycarbonate • Radial Epoxy Dipped

TYPE: C104 Series

(mm)

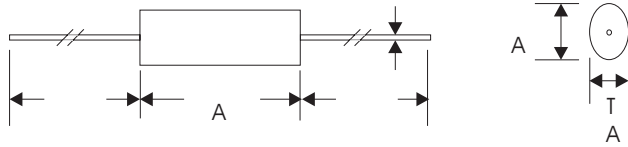
CAP. (µF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	8.0	10.0	102C104A401K	4.5	8.5	10.0	102C104A631K
0.0012	4.0	8.0	10.0	122C104A401K	4.5	8.5	10.0	122C104A631K
0.0015	4.0	8.0	10.0	152C104A401K	4.5	8.5	10.0	152C104A631K
0.0018	4.0	8.0	10.0	182C104A401K	4.5	8.5	10.0	182C104A631K
0.0022	4.0	8.0	10.0	222C104A401K	4.5	8.5	10.0	222C104A631K
0.0027	4.0	8.0	10.0	272C104A401K	4.5	8.5	10.0	272C104A631K
0.0033	4.0	8.0	10.0	332C104A401K	4.5	8.5	10.0	332C104A631K
0.0039	4.0	8.0	10.0	392C104A401K	4.0	8.0	12.5	392C104A631K
0.0047	4.0	8.0	10.0	472C104A401K	4.5	8.5	12.5	472C104A631K
0.0056	4.0	8.0	10.0	562C104A401K	4.5	8.5	12.5	562C104A631K
0.0068	4.5	8.5	10.0	682C104A401K	4.5	9.0	12.5	682C104A631K
0.0082	4.5	8.5	10.0	822C104A401K	4.5	9.0	12.5	822C104A631K
0.01	4.5	9.0	10.0	103C104A401K	5.0	9.5	12.5	103C104A631K
0.012	4.0	8.5	12.5	123C104A401K	5.5	10.5	12.5	123C104A631K
0.015	4.5	9.0	12.5	153C104A401K	6.0	11.0	12.5	153C104A631K
0.018	4.5	9.0	12.5	183C104A401K	6.0	11.0	18.0	183C104A631K
0.022	4.5	9.0	12.5	223C104A401K	6.0	12.0	18.0	223C104A631K
0.027	5.0	9.5	12.5	273C104A401K	6.5	12.5	18.0	273C104A631K
0.033	5.5	10.5	12.5	333C104A401K	7.0	13.0	18.0	333C104A631K
0.039	6.0	11.5	12.5	393C104A401K	7.5	13.5	18.0	393C104A631K
0.047	6.5	12.0	12.5	473C104A401K	8.0	14.5	18.0	473C104A631K
0.056	5.0	10.0	18.0	563C104A401K	8.0	15.0	18.0	563C104A631K
0.068	5.5	10.5	18.0	683C104A401K	8.5	15.5	18.0	683C104A631K
0.082	6.0	11.0	18.0	823C104A401K	8.5	15.5	26.0	823C104A631K
0.10	6.0	12.0	18.0	104C104A401K	8.5	16.0	26.0	104C104A631K
0.12	6.5	12.5	18.0	124C104A401K	9.0	16.5	26.0	124C104A631K
0.15	7.5	13.5	18.0	154C104A401K	9.5	17.0	26.0	154C104A631K
0.18	7.0	13.0	26.0	184C104A401K	9.0	16.5	31.0	184C104A631K
0.22	7.5	13.5	26.0	224C104A401K	9.5	18.0	31.0	224C104A631K
0.27	8.5	15.5	26.0	274C104A401K	10.0	19.0	31.0	274C104A631K
0.33	9.0	16.0	26.0	334C104A401K	11.5	20.5	31.0	334C104A631K
0.39	9.5	17.0	26.0	394C104A401K	12.0	21.0	31.0	394C104A631K
0.47	10.0	19.0	26.0	474C104A401K	13.0	23.0	31.0	474C104A631K
0.56	9.5	17.0	31.0	564C104A401K	13.5	25.0	31.0	564C104A631K
0.68	10.5	20.0	31.0	684C104A401K	15.0	27.0	31.0	684C104A631K
0.82	12.0	21.5	31.0	824C104A401K	16.5	30.0	31.0	824C104A631K
1.0	13.0	23.0	31.0	105C104A401K	18.0	32.0	31.0	105C104A631K
1.2	14.0	24.5	31.0	125C104A401K				
1.5	15.5	26.0	31.0	155C104A401K				
1.8	17.0	28.0	31.0	185C104A401K				
2.2	19.0	32.0	31.0	225C104A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polycarbonate - Axial Oval Wrap & Fill

TYPE: C106 Series



L	11.0	14.0	19.0	26.5	32.0	45.0
d	0.5	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μF)	63 VDC				100 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102C106A630K	3.5	6.0	11.0	102C106A101K	3.5	6.0	11.0	102C106A251K
0.0012	3.5	6.0	11.0	122C106A630K	3.5	6.0	11.0	122C106A101K	3.5	6.0	11.0	122C106A251K
0.0015	3.5	6.0	11.0	152C106A630K	3.5	6.0	11.0	152C106A101K	3.5	6.0	11.0	152C106A251K
0.0018	3.5	6.0	11.0	182C106A630K	3.5	6.0	11.0	182C106A101K	3.5	6.0	11.0	182C106A251K
0.0022	3.5	6.0	11.0	222C106A630K	3.5	6.0	11.0	222C106A101K	3.5	6.0	11.0	222C106A251K
0.0027	3.5	6.0	11.0	272C106A630K	3.5	6.0	11.0	272C106A101K	3.5	6.0	11.0	272C106A251K
0.0033	3.5	6.0	11.0	332C106A630K	3.5	6.0	11.0	332C106A101K	3.5	6.0	11.0	332C106A251K
0.0039	3.5	6.0	11.0	392C106A630K	3.5	6.0	11.0	392C106A101K	3.5	6.0	11.0	392C106A251K
0.0047	3.5	6.0	11.0	472C106A630K	3.5	6.0	11.0	472C106A101K	3.5	6.0	11.0	472C106A251K
0.0056	3.5	6.0	11.0	562C106A630K	3.5	6.0	11.0	562C106A101K	3.5	6.0	11.0	562C106A251K
0.0068	3.5	6.0	11.0	682C106A630K	3.5	6.0	11.0	682C106A101K	3.5	6.0	11.0	682C106A251K
0.0082	3.5	6.0	11.0	822C106A630K	3.5	6.0	11.0	822C106A101K	3.5	6.0	11.0	822C106A251K
0.01	3.5	6.0	11.0	103C106A630K	3.5	6.0	11.0	103C106A101K	3.5	6.0	11.0	103C106A251K
0.012	3.5	6.0	11.0	123C106A630K	3.5	6.0	11.0	123C106A101K	3.5	6.0	11.0	123C106A251K
0.015	3.5	6.0	11.0	153C106A630K	3.5	6.0	11.0	153C106A101K	3.5	6.0	11.0	153C106A251K
0.018	3.5	6.0	11.0	183C106A630K	3.5	6.0	11.0	183C106A101K	3.5	6.0	11.0	183C106A251K
0.022	3.5	6.0	11.0	223C106A630K	3.5	6.0	11.0	223C106A101K	3.5	6.0	11.0	223C106A251K
0.027	3.5	6.0	11.0	273C106A630K	3.5	6.0	11.0	273C106A101K	3.5	6.0	11.0	273C106A251K
0.033	3.5	6.0	11.0	333C106A630K	3.5	6.0	11.0	333C106A101K	3.5	6.5	11.0	333C106A251K
0.039	3.5	6.0	11.0	393C106A630K	3.5	6.0	11.0	393C106A101K	3.5	6.5	14.0	393C106A251K
0.047	3.5	6.0	11.0	473C106A630K	3.5	6.0	11.0	473C106A101K	4.0	7.0	14.0	473C106A251K
0.056	3.5	6.0	11.0	563C106A630K	3.5	6.0	11.0	563C106A101K	4.0	7.5	14.0	563C106A251K
0.068	3.5	6.0	11.0	683C106A630K	3.5	6.0	11.0	683C106A101K	4.5	8.0	14.0	683C106A251K
0.082	3.5	6.0	11.0	823C106A630K	3.5	6.0	14.0	823C106A101K	5.0	9.0	14.0	823C106A251K
0.10	3.5	6.0	11.0	104C106A630K	3.5	6.5	14.0	104C106A101K	5.0	9.5	14.0	104C106A251K
0.12	3.5	6.0	11.0	124C106A630K	4.0	7.0	14.0	124C106A101K	5.0	9.0	19.0	124C106A251K
0.15	3.5	6.0	11.0	154C106A630K	4.0	7.5	14.0	154C106A101K	5.5	10.0	19.0	154C106A251K
0.18	3.5	6.0	14.0	184C106A630K	4.5	8.0	14.0	184C106A101K	5.5	10.5	19.0	184C106A251K
0.22	3.5	6.0	14.0	224C106A630K	5.0	9.0	14.0	224C106A101K	6.0	11.0	19.0	224C106A251K
0.27	3.5	6.5	14.0	274C106A630K	4.0	8.0	19.0	274C106A101K	5.5	10.5	26.5	274C106A251K
0.33	3.5	6.5	14.0	334C106A630K	4.5	8.5	19.0	334C106A101K	6.0	11.5	26.5	334C106A251K
0.39	4.0	7.0	14.0	394C106A630K	5.0	9.0	19.0	394C106A101K	6.5	12.5	26.5	394C106A251K
0.47	4.0	7.5	14.0	474C106A630K	5.5	10.0	19.0	474C106A101K	7.0	13.0	26.5	474C106A251K
0.56	4.5	8.0	14.0	564C106A630K	6.0	12.0	19.0	564C106A101K	7.5	13.5	26.5	564C106A251K
0.68	5.0	9.0	14.0	684C106A630K	6.5	12.5	19.0	684C106A101K	8.0	14.0	26.5	684C106A251K
0.82	4.0	7.5	19.0	824C106A630K	6.0	12.0	26.5	824C106A101K	8.0	14.0	32.0	824C106A251K
1.0	4.5	8.0	19.0	105C106A630K	6.5	12.5	26.5	105C106A101K	8.5	14.5	32.0	105C106A251K
1.2	4.5	8.5	19.0	125C106A630K	7.0	13.0	26.5	125C106A101K	9.0	16.0	32.0	125C106A251K
1.5	5.0	9.5	19.0	155C106A630K	7.5	13.5	26.5	155C106A101K	9.5	17.5	32.0	155C106A251K
1.8	5.5	10.5	19.0	185C106A630K	8.0	14.5	26.5	185C106A101K	10.0	19.0	32.0	185C106A251K
2.2	6.0	11.0	19.0	225C106A630K	9.0	16.0	26.5	225C106A101K	11.0	21.0	32.0	225C106A251K
2.7	6.0	11.0	26.5	275C106A630K	8.5	15.0	32.0	275C106A101K	9.0	16.0	45.0	275C106A251K
3.3	6.5	12.0	26.5	335C106A630K	9.0	16.0	32.0	335C106A101K	10.0	19.0	45.0	335C106A251K
3.9	7.0	13.0	26.5	395C106A630K	9.5	17.0	32.0	395C106A101K	12.5	22.5	45.0	395C106A251K
4.7	7.5	13.5	26.5	475C106A630K	9.5	18.0	32.0	475C106A101K	14.0	25.0	45.0	475C106A251K
5.6	7.5	13.5	32.0	565C106A630K	10.5	20.0	32.0	565C106A101K	15.0	26.0	45.0	565C106A251K
6.8	8.0	14.0	32.0	685C106A630K	12.0	22.0	32.0	685C106A101K	18.0	29.0	45.0	685C106A251K
8.2	8.0	14.5	32.0	825C106A630K	9.5	18.0	45.0	825C106A101K	19.5	32.0	45.0	825C106A251K
10.0	9.0	16.0	32.0	106C106A630K	10.0	20.0	45.0	106C106A101K	21.0	35.0	45.0	106C106A251K
12.0	9.5	17.0	32.0	126C106A630K	11.5	21.5	45.0	126C106A101K				
15.0	10.0	19.0	32.0	156C106A630K	13.0	23.0	45.0	156C106A101K				
18.0	11.5	21.5	32.0	186C106A630K	14.5	25.0	45.0	186C106A101K				
22.0	13.0	24.0	32.0	226C106A630K	16.5	27.0	45.0	226C106A101K				

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polycarbonate - Axial Oval Wrap & Fill

TYPE: C106 Series

(mm)

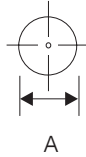
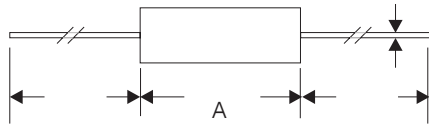
CAP. (µF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102C106A401K	3.5	6.0	11.0	102C106A631K
0.0012	3.5	6.0	11.0	122C106A401K	3.5	6.0	11.0	122C106A631K
0.0015	3.5	6.0	11.0	152C106A401K	3.5	6.0	11.0	152C106A631K
0.0018	3.5	6.0	11.0	182C106A401K	3.5	6.0	11.0	182C106A631K
0.0022	3.5	6.0	11.0	222C106A401K	3.5	6.0	11.0	222C106A631K
0.0027	3.5	6.0	11.0	272C106A401K	3.5	6.0	11.0	272C106A631K
0.0033	3.5	6.0	11.0	332C106A401K	3.5	6.0	11.0	332C106A631K
0.0039	3.5	6.0	11.0	392C106A401K	3.5	6.0	11.0	392C106A631K
0.0047	3.5	6.0	11.0	472C106A401K	3.5	6.5	11.0	472C106A631K
0.0056	3.5	6.0	11.0	562C106A401K	3.5	6.5	14.0	562C106A631K
0.0068	3.5	6.0	11.0	682C106A401K	3.5	6.5	14.0	682C106A631K
0.0082	3.5	6.0	11.0	822C106A401K	3.5	6.5	14.0	822C106A631K
0.01	3.5	6.0	11.0	103C106A401K	4.0	7.0	14.0	103C106A631K
0.012	3.5	6.0	14.0	123C106A401K	4.5	8.0	14.0	123C106A631K
0.015	3.5	6.0	14.0	153C106A401K	5.0	9.0	14.0	153C106A631K
0.018	3.5	6.5	14.0	183C106A401K	5.0	9.0	19.0	183C106A631K
0.022	4.0	7.0	14.0	223C106A401K	5.0	9.5	19.0	223C106A631K
0.027	4.0	7.5	14.0	273C106A401K	5.5	10.0	19.0	273C106A631K
0.033	4.5	8.0	14.0	333C106A401K	5.5	10.5	19.0	333C106A631K
0.039	5.0	9.0	14.0	393C106A401K	6.0	11.0	19.0	393C106A631K
0.047	5.0	9.5	14.0	473C106A401K	6.0	11.5	19.0	473C106A631K
0.056	4.0	7.5	19.0	563C106A401K	6.5	12.0	19.0	563C106A631K
0.068	4.5	8.0	19.0	683C106A401K	7.0	13.0	19.0	683C106A631K
0.082	4.5	8.5	19.0	823C106A401K	6.5	12.5	26.5	823C106A631K
0.10	5.0	9.0	19.0	104C106A401K	7.0	13.0	26.5	104C106A631K
0.12	5.0	10.0	19.0	124C106A401K	7.5	13.5	26.5	124C106A631K
0.15	5.5	11.0	19.0	154C106A401K	8.0	14.0	26.5	154C106A631K
0.18	5.0	10.0	26.5	184C106A401K	7.5	13.5	32.0	184C106A631K
0.22	6.0	12.0	26.5	224C106A401K	8.5	15.0	32.0	224C106A631K
0.27	7.0	13.0	26.5	274C106A401K	9.0	16.0	32.0	274C106A631K
0.33	7.5	13.5	26.5	334C106A401K	9.5	16.5	32.0	334C106A631K
0.39	8.0	14.0	26.5	394C106A401K	9.5	18.0	32.0	394C106A631K
0.47	8.5	15.0	26.5	474C106A401K	10.0	19.0	32.0	474C106A631K
0.56	8.0	14.5	32.0	564C106A401K	9.5	18.0	45.0	564C106A631K
0.68	9.0	16.5	32.0	684C106A401K	10.0	19.0	45.0	684C106A631K
0.82	9.5	17.0	32.0	824C106A401K	11.0	21.0	45.0	824C106A631K
1.0	10.0	19.0	32.0	105C106A401K	12.5	22.5	45.0	105C106A631K
1.2	11.5	21.0	32.0	125C106A401K	13.5	24.0	45.0	125C106A631K
1.5	13.0	23.0	32.0	155C106A401K	15.5	26.0	45.0	155C106A631K
1.8	14.5	25.0	32.0	185C106A401K	17.5	28.0	45.0	185C106A631K
2.2	16.5	27.0	32.0	225C106A401K	19.0	30.0	45.0	225C106A631K

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polycarbonate ▪ Axial Round Wrap & Fill

TYPE: C108 Series



L	11.0	14.0	19.0	26.5	32.0	45.0
d	0.5	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μF)	63 VDC			100 VDC			250 VDC		
	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.001	5.0	11.0	102C108A630K	5.0	11.0	102C108A101K	5.0	11.0	102C108A251K
0.0012	5.0	11.0	122C108A630K	5.0	11.0	122C108A101K	5.0	11.0	122C108A251K
0.0015	5.0	11.0	152C108A630K	5.0	11.0	152C108A101K	5.0	11.0	152C108A251K
0.0018	5.0	11.0	182C108A630K	5.0	11.0	182C108A101K	5.0	11.0	182C108A251K
0.0022	5.0	11.0	222C108A630K	5.0	11.0	222C108A101K	5.0	11.0	222C108A251K
0.0027	5.0	11.0	272C108A630K	5.0	11.0	272C108A101K	5.0	11.0	272C108A251K
0.0033	5.0	11.0	332C108A630K	5.0	11.0	332C108A101K	5.0	11.0	332C108A251K
0.0039	5.0	11.0	392C108A630K	5.0	11.0	392C108A101K	5.0	11.0	392C108A251K
0.0047	5.0	11.0	472C108A630K	5.0	11.0	472C108A101K	5.0	11.0	472C108A251K
0.0056	5.0	11.0	562C108A630K	5.0	11.0	562C108A101K	5.0	11.0	562C108A251K
0.0068	5.0	11.0	682C108A630K	5.0	11.0	682C108A101K	5.0	11.0	682C108A251K
0.0082	5.0	11.0	822C108A630K	5.0	11.0	822C108A101K	5.0	11.0	822C108A251K
0.01	5.0	11.0	103C108A630K	5.0	11.0	103C108A101K	5.0	11.0	103C108A251K
0.012	5.0	11.0	123C108A630K	5.0	11.0	123C108A101K	5.0	11.0	123C108A251K
0.015	5.0	11.0	153C108A630K	5.0	11.0	153C108A101K	5.0	11.0	153C108A251K
0.018	5.0	11.0	183C108A630K	5.0	11.0	183C108A101K	5.0	11.0	183C108A251K
0.022	5.0	11.0	223C108A630K	5.0	11.0	223C108A101K	5.0	11.0	223C108A251K
0.027	5.0	11.0	273C108A630K	5.0	11.0	273C108A101K	5.5	11.0	273C108A251K
0.033	5.0	11.0	333C108A630K	5.0	11.0	333C108A101K	5.5	11.0	333C108A251K
0.039	5.0	11.0	393C108A630K	5.0	11.0	393C108A101K	5.5	14.0	393C108A251K
0.047	5.0	11.0	473C108A630K	5.0	11.0	473C108A101K	6.0	14.0	473C108A251K
0.056	5.0	11.0	563C108A630K	5.0	11.0	563C108A101K	6.5	14.0	563C108A251K
0.068	5.0	11.0	683C108A630K	5.0	11.0	683C108A101K	6.5	14.0	683C108A251K
0.082	5.0	11.0	823C108A630K	5.0	14.0	823C108A101K	7.0	14.0	823C108A251K
0.10	5.0	11.0	104C108A630K	5.5	14.0	104C108A101K	7.5	14.0	104C108A251K
0.12	5.0	11.0	124C108A630K	6.0	14.0	124C108A101K	7.0	19.0	124C108A251K
0.15	5.0	11.0	154C108A630K	6.0	14.0	154C108A101K	8.0	19.0	154C108A251K
0.18	5.0	14.0	184C108A630K	6.5	14.0	184C108A101K	8.5	19.0	184C108A251K
0.22	5.0	14.0	224C108A630K	7.0	14.0	224C108A101K	8.5	19.0	224C108A251K
0.27	5.5	14.0	274C108A630K	6.5	19.0	274C108A101K	8.0	26.5	274C108A251K
0.33	5.5	14.0	334C108A630K	7.0	19.0	334C108A101K	8.5	26.5	334C108A251K
0.39	6.0	14.0	394C108A630K	7.5	19.0	394C108A101K	9.0	26.5	394C108A251K
0.47	6.5	14.0	474C108A630K	8.0	19.0	474C108A101K	10.0	26.5	474C108A251K
0.56	6.5	14.0	564C108A630K	9.0	19.0	564C108A101K	10.5	26.5	564C108A251K
0.68	7.0	14.0	684C108A630K	9.5	19.0	684C108A101K	11.5	26.5	684C108A251K
0.82	6.0	19.0	824C108A630K	9.0	26.5	824C108A101K	11.0	32.0	824C108A251K
1.0	6.5	19.0	105C108A630K	9.5	26.5	105C108A101K	12.0	32.0	105C108A251K
1.2	7.0	19.0	125C108A630K	10.0	26.5	125C108A101K	13.0	32.0	125C108A251K
1.5	7.5	19.0	155C108A630K	11.0	26.5	155C108A101K	14.0	32.0	155C108A251K
1.8	8.0	19.0	185C108A630K	11.5	26.5	185C108A101K	15.5	32.0	185C108A251K
2.2	9.0	19.0	225C108A630K	12.5	26.5	225C108A101K	16.5	32.0	225C108A251K
2.7	8.5	26.5	275C108A630K	12.5	32.0	275C108A101K	14.0	45.0	275C108A251K
3.3	9.5	26.5	335C108A630K	13.5	32.0	335C108A101K	15.5	45.0	335C108A251K
3.9	10.5	26.5	395C108A630K	14.0	32.0	395C108A101K	18.0	45.0	395C108A251K
4.7	11.0	26.5	475C108A630K	15.0	32.0	475C108A101K	20.0	45.0	475C108A251K
5.6	10.5	32.0	565C108A630K	16.0	32.0	565C108A101K	21.5	45.0	565C108A251K
6.8	11.0	32.0	685C108A630K	17.5	32.0	685C108A101K	24.0	45.0	685C108A251K
8.2	12.0	32.0	825C108A630K	15.0	45.0	825C108A101K	26.0	45.0	825C108A251K
10.0	13.0	32.0	106C108A630K	16.5	45.0	106C108A101K	28.5	45.0	106C108A251K
12.0	13.5	32.0	126C108A630K	17.0	45.0	126C108A101K			
15.0	15.5	32.0	156C108A630K	19.0	45.0	156C108A101K			
18.0	17.0	32.0	186C108A630K	21.0	45.0	186C108A101K			
22.0	18.5	32.0	226C108A630K	23.0	45.0	226C108A101K			

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polycarbonate ▪ Axial Round Wrap & Fill

TYPE: C108 Series

(mm)

CAP. (μ F)	400 VDC			630 VDC		
	D	L	Part No.	D	L	Part No.
0.001	5.0	11.0	102C108A401K	5.0	11.0	102C108A631K
0.0012	5.0	11.0	122C108A401K	5.0	11.0	122C108A631K
0.0015	5.0	11.0	152C108A401K	5.0	11.0	152C108A631K
0.0018	5.0	11.0	182C108A401K	5.0	11.0	182C108A631K
0.0022	5.0	11.0	222C108A401K	5.0	11.0	222C108A631K
0.0027	5.0	11.0	272C108A401K	5.0	11.0	272C108A631K
0.0033	5.0	11.0	332C108A401K	5.0	11.0	332C108A631K
0.0039	5.0	11.0	392C108A401K	5.0	11.0	392C108A631K
0.0047	5.0	11.0	472C108A401K	5.5	11.0	472C108A631K
0.0056	5.0	11.0	562C108A401K	5.0	14.0	562C108A631K
0.0068	5.0	11.0	682C108A401K	5.5	14.0	682C108A631K
0.0082	5.0	11.0	822C108A401K	5.5	14.0	822C108A631K
0.01	5.0	11.0	103C108A401K	6.0	14.0	103C108A631K
0.012	5.0	14.0	123C108A401K	6.5	14.0	123C108A631K
0.015	5.0	14.0	153C108A401K	7.0	14.0	153C108A631K
0.018	5.5	14.0	183C108A401K	7.0	19.0	183C108A631K
0.022	6.0	14.0	223C108A401K	7.5	19.0	223C108A631K
0.027	6.0	14.0	273C108A401K	8.0	19.0	273C108A631K
0.033	6.5	14.0	333C108A401K	8.5	19.0	333C108A631K
0.039	7.0	14.0	393C108A401K	8.5	19.0	393C108A631K
0.047	7.5	14.0	473C108A401K	9.0	19.0	473C108A631K
0.056	6.5	19.0	563C108A401K	9.5	19.0	563C108A631K
0.068	6.5	19.0	683C108A401K	10.0	19.0	683C108A631K
0.082	7.0	19.0	823C108A401K	10.0	26.5	823C108A631K
0.10	7.0	19.0	104C108A401K	10.5	26.5	104C108A631K
0.12	7.5	19.0	124C108A401K	11.0	26.5	124C108A631K
0.15	8.5	19.0	154C108A401K	12.0	26.5	154C108A631K
0.18	8.0	26.5	184C108A401K	11.0	32.0	184C108A631K
0.22	9.0	26.5	224C108A401K	12.0	32.0	224C108A631K
0.27	10.0	26.5	274C108A401K	13.0	32.0	274C108A631K
0.33	10.5	26.5	334C108A401K	14.0	32.0	334C108A631K
0.39	11.0	26.5	394C108A401K	14.5	32.0	394C108A631K
0.47	12.5	26.5	474C108A401K	15.5	32.0	474C108A631K
0.56	12.0	32.0	564C108A401K	15.0	45.0	564C108A631K
0.68	13.0	32.0	684C108A401K	15.5	45.0	684C108A631K
0.82	14.0	32.0	824C108A401K	16.5	45.0	824C108A631K
1.0	15.5	32.0	105C108A401K	18.0	45.0	105C108A631K
1.2	17.0	32.0	125C108A401K	19.5	45.0	125C108A631K
1.5	19.0	32.0	155C108A401K	21.5	45.0	155C108A631K
1.8	20.5	32.0	185C108A401K	23.5	45.0	185C108A631K
2.2	22.5	32.0	225C108A401K	26.0	45.0	225C108A631K

*Other Values, Voltages, And Dimensions Are Available On Request



Polycarbonate Film & Foil - Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
C202	Radial Box	0.0001 To 1.0	±1% To ±20%	3 - 76
C204	Radial Epoxy Dip	0.001 To 1.0	±1% To ±20%	3 - 78
C206	Axial Oval Wrap & Fill	0.001 To 2.2	±1% To ±20%	3 - 80
C208	Axial Round Wrap & Fill	0.0001 To 2.2	±1% To ±20%	3 - 82

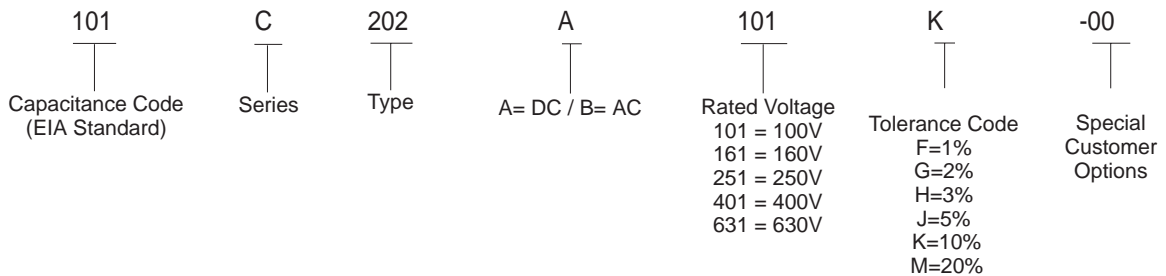
Features

- 1) Extended foil, non-inductive construction
- 2) Low dissipation factor
- 3) Close capacitance tolerance and wide capacitance range.
- 4) Stability with a very low temperature coefficient and high dielectric strength
- 5) High insulation resistance and low dielectric absorption

Applications

- 1) High frequency coupling and decoupling for fast digital and analog IC's
- 2) Bypassing in high or low impedance circuits
- 3) Integrator, differentiator and computer circuits
- 4) Oscillator, timing and LC/RC filter circuits

Part Numbering System



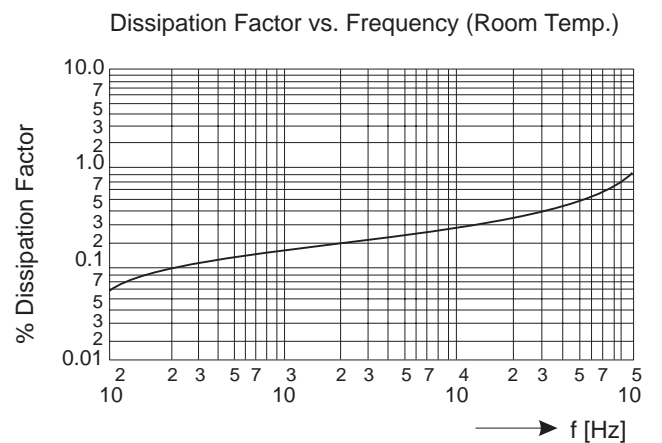
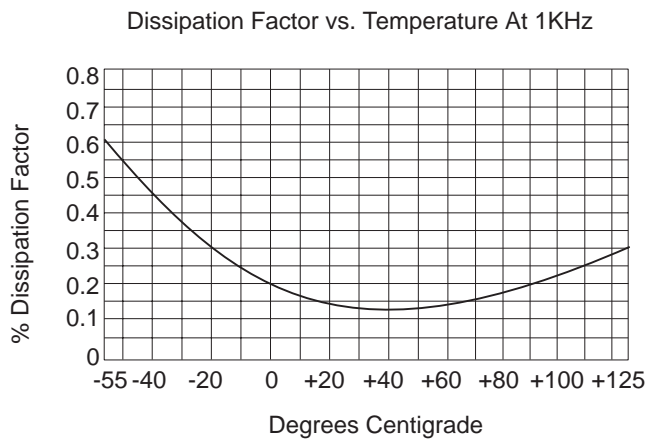
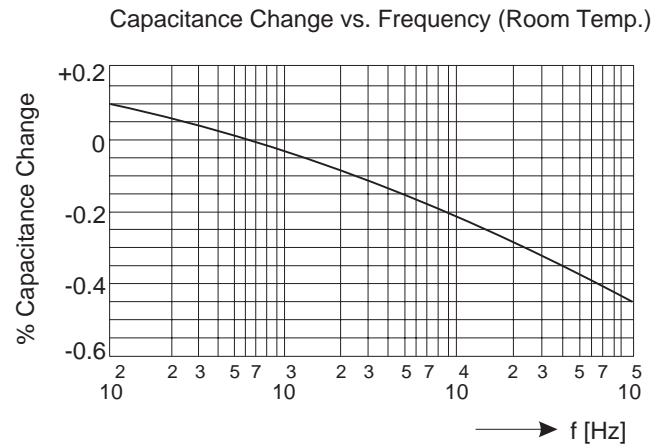
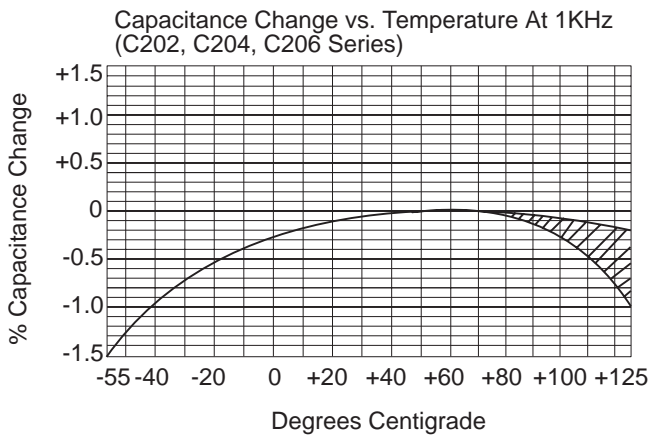
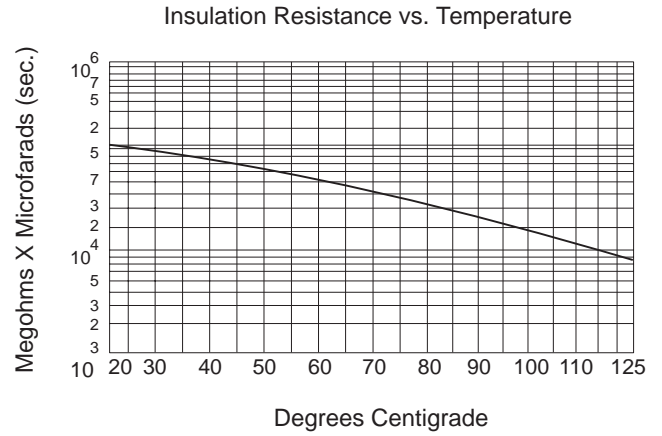
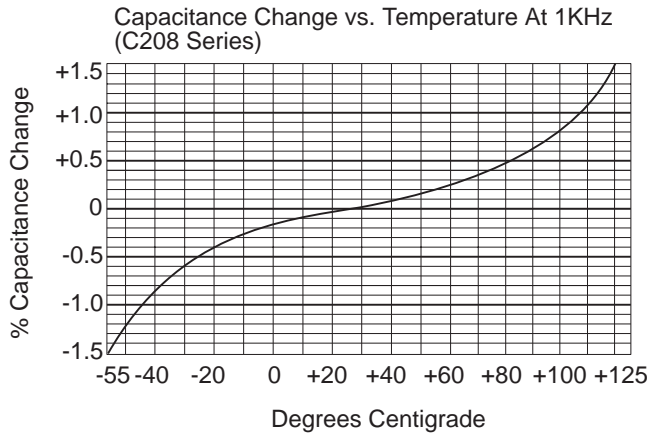
Specifications

- | | |
|---------------------------------|---|
| 1) Operating Temperature Range: | -55°C To +125°C with full Rated Voltage applied |
| 2) Dissipation Factor: | 0.3% Maximum at +25°C and 1Khz |
| 3) Rated Voltage: | 100VDC, 160VDC, 250VDC, 400VDC, 630VDC |
| 4) Dielectric Strength: | 250% of rated voltage for 5 seconds |
| 5) Insulation Resistance: | At +25°C after 2 minutes electrification at rated DC voltage, the minimum IR shall be >50,000 Megohms |
| 6) Dielectric Absorption: | 0.2% Maximum at +25°C |
| 7) Capacitance Change: | ±2% maximum capacitance change from -55°C to +125°C |



Polycarbonate Film & Foil

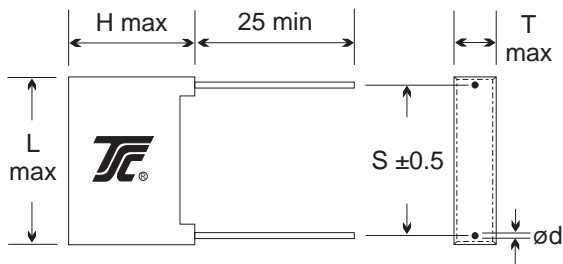
TYPE: C202, C204, C206, C208 Series





Polycarbonate Film & Foil - Radial Box

TYPE: C202 Series



L	10.5	13.0	18.0	26.5	32.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μF)	100 VDC				160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	9.0	10.5	101C202A101K								
0.00012	4.0	9.0	10.5	121C202A101K								
0.00015	4.0	9.0	10.5	151C202A101K								
0.00018	4.0	9.0	10.5	181C202A101K								
0.00022	4.0	9.0	10.5	221C202A101K								
0.00027	4.0	9.0	10.5	271C202A101K								
0.00033	4.0	9.0	10.5	331C202A101K								
0.00039	4.0	9.0	10.5	391C202A101K								
0.00047	4.0	9.0	10.5	471C202A101K								
0.00056	4.0	9.0	10.5	561C202A101K								
0.00068	4.0	9.0	10.5	681C202A101K								
0.00082	4.0	9.0	10.5	821C202A101K								
0.001	4.0	9.0	10.5	102C202A101K	4.0	9.0	10.5	102C202A161K	4.0	9.0	10.5	102C202A251K
0.0012	4.0	9.0	10.5	122C202A101K	4.0	9.0	10.5	122C202A161K	4.0	9.0	10.5	122C202A251K
0.0015	4.0	9.0	10.5	152C202A101K	4.0	9.0	10.5	152C202A161K	4.0	9.0	10.5	152C202A251K
0.0018	4.0	9.0	10.5	182C202A101K	4.0	9.0	10.5	182C202A161K	4.0	9.0	10.5	182C202A251K
0.0022	4.0	9.0	10.5	222C202A101K	4.0	9.0	10.5	222C202A161K	4.0	9.0	10.5	222C202A251K
0.0027	4.0	9.0	10.5	272C202A101K	4.0	9.0	10.5	272C202A161K	4.0	9.0	10.5	272C202A251K
0.0033	4.0	9.0	10.5	332C202A101K	4.0	9.0	10.5	332C202A161K	4.0	9.0	10.5	332C202A251K
0.0039	4.0	9.0	10.5	392C202A101K	4.0	9.0	10.5	392C202A161K	4.0	9.0	13.0	392C202A251K
0.0047	4.0	9.0	10.5	472C202A101K	4.0	9.0	10.5	472C202A161K	4.0	9.0	13.0	472C202A251K
0.0056	4.0	9.0	10.5	562C202A101K	4.0	9.0	10.5	562C202A161K	4.0	9.0	13.0	562C202A251K
0.0068	4.0	9.0	10.5	682C202A101K	4.0	9.0	10.5	682C202A161K	4.0	9.0	13.0	682C202A251K
0.0082	4.0	9.0	10.5	822C202A101K	4.0	9.0	13.0	822C202A161K	5.0	11.0	13.0	822C202A251K
0.01	4.0	9.0	10.5	103C202A101K	4.0	9.0	13.0	103C202A161K	5.0	11.0	13.0	103C202A251K
0.012	4.0	9.0	13.0	123C202A101K	4.0	9.0	13.0	123C202A161K	6.0	12.0	13.0	123C202A251K
0.015	4.0	9.0	13.0	153C202A101K	5.0	11.0	13.0	153C202A161K	6.0	12.0	13.0	153C202A251K
0.018	4.0	9.0	13.0	183C202A101K	5.0	11.0	13.0	183C202A161K	5.0	11.0	18.0	183C202A251K
0.022	5.0	11.0	13.0	223C202A101K	6.0	12.0	13.0	223C202A161K	5.0	11.0	18.0	223C202A251K
0.027	5.0	11.0	13.0	273C202A101K	5.0	11.0	18.0	273C202A161K	6.0	12.0	18.0	273C202A251K
0.033	5.0	11.0	13.0	333C202A101K	5.0	11.0	18.0	333C202A161K	6.0	12.0	18.0	333C202A251K
0.039	5.0	11.0	18.0	393C202A101K	6.0	12.0	18.0	393C202A161K	7.5	13.5	18.0	393C202A251K
0.047	5.0	11.0	18.0	473C202A101K	6.0	12.0	18.0	473C202A161K	7.5	13.5	18.0	473C202A251K
0.056	5.0	11.0	18.0	563C202A101K	7.5	13.5	18.0	563C202A161K	7.0	16.5	26.5	563C202A251K
0.068	6.0	12.0	18.0	683C202A101K	7.5	13.5	18.0	683C202A161K	7.0	16.5	26.5	683C202A251K
0.082	6.0	12.0	18.0	823C202A101K	8.5	15.0	18.0	823C202A161K	8.5	17.0	26.5	823C202A251K
0.1	7.5	13.5	18.0	104C202A101K	8.5	15.0	18.0	104C202A161K	8.5	17.0	26.5	104C202A251K
0.12	8.5	15.0	18.0	124C202A101K	7.0	16.5	26.5	124C202A161K	11.0	20.0	32.0	124C202A251K
0.15	8.5	15.0	18.0	154C202A101K	8.5	17.0	26.5	154C202A161K	11.0	20.0	32.0	154C202A251K
0.18	7.0	16.5	26.5	184C202A101K	8.5	17.0	26.5	184C202A161K	11.0	20.0	32.0	184C202A251K
0.22	8.5	17.0	26.5	224C202A101K	10.0	19.0	26.5	224C202A161K	13.0	22.0	32.0	224C202A251K
0.27	8.5	17.0	26.5	274C202A101K	11.0	20.0	32.0	274C202A161K	15.0	25.0	32.0	274C202A251K
0.33	10.0	19.0	26.5	334C202A101K	11.0	20.0	32.0	334C202A161K	15.0	25.0	32.0	334C202A251K
0.39	11.0	20.0	32.0	394C202A101K	13.0	22.0	32.0	394C202A161K	18.0	30.0	32.0	394C202A251K
0.47	11.0	20.0	32.0	474C202A101K	15.0	25.0	32.0	474C202A161K	18.0	30.0	32.0	474C202A251K
0.56	13.0	22.0	32.0	564C202A101K	15.0	25.0	32.0	564C202A161K				
0.68	15.0	25.0	32.0	684C202A101K	18.0	30.0	32.0	684C202A161K				
0.82	15.0	25.0	32.0	824C202A101K								
1.0	18.0	30.0	32.0	105C202A101K								

*Other Values, Voltages, And Dimensions Are Available On Request



Polycarbonate Film & Foil - Radial Box

TYPE: C202 Series

(mm)

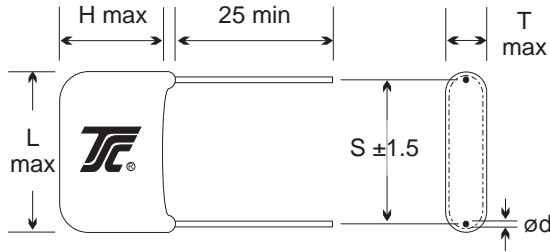
CAP. (μF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.0001								
0.00012								
0.00015								
0.00018								
0.00022								
0.00027								
0.00033								
0.00039								
0.00047								
0.00056								
0.00068								
0.00082								
0.001	4.0	9.0	10.5	102C202A401K	4.0	9.0	13.0	102C202A631K
0.0012	4.0	9.0	10.5	122C202A401K	4.0	9.0	13.0	122C202A631K
0.0015	4.0	9.0	10.5	152C202A401K	4.0	9.0	13.0	152C202A631K
0.0018	4.0	9.0	10.5	182C202A401K	4.0	9.0	13.0	182C202A631K
0.0022	4.0	9.0	10.5	222C202A401K	5.0	11.0	13.0	222C202A631K
0.0027	4.0	9.0	10.5	272C202A401K	5.0	11.0	13.0	272C202A631K
0.0033	4.0	9.0	10.5	332C202A401K	5.0	11.0	13.0	332C202A631K
0.0039	4.0	9.0	13.0	392C202A401K	6.0	12.0	13.0	392C202A631K
0.0047	4.0	9.0	13.0	472C202A401K	6.0	12.0	13.0	472C202A631K
0.0056	5.0	11.0	13.0	562C202A401K	5.0	11.0	18.0	562C202A631K
0.0068	6.0	12.0	13.0	682C202A401K	5.0	11.0	18.0	682C202A631K
0.0082	5.0	11.0	18.0	822C202A401K	5.0	11.0	18.0	822C202A631K
0.01	5.0	11.0	18.0	103C202A401K	6.0	12.0	18.0	103C202A631K
0.012	5.0	11.0	18.0	123C202A401K	6.0	15.0	26.5	123C202A631K
0.015	6.0	12.0	18.0	153C202A401K	7.0	16.5	26.5	153C202A631K
0.018	6.0	12.0	18.0	183C202A401K	7.0	16.5	26.5	183C202A631K
0.022	6.0	12.0	18.0	223C202A401K	8.5	17.0	26.5	223C202A631K
0.027	7.0	16.5	26.5	273C202A401K	8.5	17.0	26.5	273C202A631K
0.033	7.0	16.5	26.5	333C202A401K	10.0	19.0	26.5	333C202A631K
0.039	8.5	17.0	26.5	393C202A401K	11.0	20.0	32.0	393C202A631K
0.047	8.5	17.0	26.5	473C202A401K	11.0	20.0	32.0	473C202A631K
0.056	10.0	19.0	26.5	563C202A401K	11.0	20.0	32.0	563C202A631K
0.068	10.0	19.0	26.5	683C202A401K	13.0	22.0	32.0	683C202A631K
0.082	11.0	20.0	32.0	823C202A401K	15.0	25.0	32.0	823C202A631K
0.1	11.0	20.0	32.0	104C202A401K	15.0	25.0	32.0	104C202A631K
0.12	13.0	22.0	32.0	124C202A401K				
0.15	15.0	25.0	32.0	154C202A401K				
0.18	15.0	25.0	32.0	184C202A401K				
0.22	18.0	30.0	32.0	224C202A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polycarbonate Film & Foil - Radial Epoxy Dipped

TYPE: C204 Series



L	10.5	13.0	18.5	26.0	31.0
s	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (µF)	100 VDC				160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	8.0	10.5	102C204A101K	4.0	8.0	10.5	102C204A161K	4.0	8.0	10.5	102C204A251K
0.0012	4.0	8.0	10.5	122C204A101K	4.0	8.0	10.5	122C204A161K	4.0	8.0	10.5	122C204A251K
0.0015	4.0	8.0	10.5	152C204A101K	4.0	8.0	10.5	152C204A161K	4.0	8.0	10.5	152C204A251K
0.0018	4.0	8.0	10.5	182C204A101K	4.0	8.0	10.5	182C204A161K	4.0	8.0	10.5	182C204A251K
0.0022	4.0	8.0	10.5	222C204A101K	4.0	8.0	10.5	222C204A161K	4.0	8.0	10.5	222C204A251K
0.0027	4.0	8.0	10.5	272C204A101K	4.0	8.0	10.5	272C204A161K	4.0	8.0	10.5	272C204A251K
0.0033	4.0	8.0	10.5	332C204A101K	4.0	8.0	10.5	332C204A161K	4.0	8.5	10.5	332C204A251K
0.0039	4.0	8.0	10.5	392C204A101K	4.0	8.0	10.5	392C204A161K	4.0	8.0	13.0	392C204A251K
0.0047	4.0	8.0	10.5	472C204A101K	4.0	8.0	10.5	472C204A161K	4.0	8.5	13.0	472C204A251K
0.0056	4.0	8.0	10.5	562C204A101K	4.5	8.5	10.5	562C204A161K	4.5	8.5	13.0	562C204A251K
0.0068	4.0	8.0	10.5	682C204A101K	4.5	9.0	10.5	682C204A161K	4.5	9.0	13.0	682C204A251K
0.0082	4.0	8.5	10.5	822C204A101K	4.0	8.0	13.0	822C204A161K	5.0	9.5	13.0	822C204A251K
0.01	4.5	8.5	10.5	103C204A101K	4.0	8.5	13.0	103C204A161K	5.5	10.0	13.0	103C204A251K
0.012	4.0	8.0	13.0	123C204A101K	4.5	9.5	13.0	123C204A161K	6.0	11.0	13.0	123C204A251K
0.015	4.0	8.5	13.0	153C204A101K	5.0	9.5	13.0	153C204A161K	6.5	12.0	13.0	153C204A251K
0.018	4.5	9.0	13.0	183C204A101K	5.0	10.0	13.0	183C204A161K	5.0	9.5	18.5	183C204A251K
0.022	5.0	9.5	13.0	223C204A101K	5.5	10.5	13.0	223C204A161K	5.5	10.5	18.5	223C204A251K
0.027	5.0	10.0	13.0	273C204A101K	5.0	10.0	18.5	273C204A161K	6.0	11.0	18.5	273C204A251K
0.033	5.5	10.5	13.0	333C204A101K	5.5	10.5	18.5	333C204A161K	6.5	12.0	18.5	333C204A251K
0.039	5.0	9.5	18.5	393C204A101K	6.0	11.0	18.5	393C204A161K	7.0	13.0	18.5	393C204A251K
0.047	5.5	10.0	18.5	473C204A101K	6.5	12.0	18.5	473C204A161K	7.5	13.5	18.5	473C204A251K
0.056	6.0	11.0	18.5	563C204A101K	7.0	13.0	18.5	563C204A161K	8.0	14.0	26.0	563C204A251K
0.068	6.5	12.0	18.5	683C204A101K	7.5	13.5	18.5	683C204A161K	8.5	14.5	26.0	683C204A251K
0.082	7.0	13.0	18.5	823C204A101K	8.0	14.5	18.5	823C204A161K	8.5	15.5	26.0	823C204A251K
0.10	7.5	13.5	18.5	104C204A101K	8.5	15.5	18.5	104C204A161K	9.0	16.5	26.0	104C204A251K
0.12	8.0	14.5	18.5	124C204A101K	8.0	14.5	26.0	124C204A161K	9.5	17.0	31.0	124C204A251K
0.15	8.5	15.0	18.5	154C204A101K	8.5	16.0	26.0	154C204A161K	10.0	19.0	31.0	154C204A251K
0.18	8.5	15.0	26.0	184C204A101K	9.5	17.0	26.0	184C204A161K	11.0	20.0	31.0	184C204A251K
0.22	9.0	16.0	26.0	224C204A101K	10.0	19.0	26.0	224C204A161K	12.0	21.5	31.0	224C204A251K
0.27	9.5	17.0	26.0	274C204A101K	10.0	19.0	31.0	274C204A161K	13.0	23.0	31.0	274C204A251K
0.33	10.0	19.0	26.0	334C204A101K	11.0	21.0	31.0	334C204A161K	14.5	26.0	31.0	334C204A251K
0.39	10.0	19.0	31.0	394C204A101K	12.0	22.0	31.0	394C204A161K	16.0	28.0	31.0	394C204A251K
0.47	11.0	20.0	31.0	474C204A101K	13.0	24.0	31.0	474C204A161K	18.0	30.0	31.0	474C204A251K
0.56	12.0	21.5	31.0	564C204A101K	14.5	26.0	31.0	564C204A161K				
0.68	13.0	23.0	31.0	684C204A101K	16.0	28.0	31.0	684C204A161K				
0.82	14.5	26.0	31.0	824C204A101K								
1.0	16.0	28.0	31.0	105C204A101K								

*Other Values, Voltages, And Dimensions Are Available On Request



Polycarbonate Film & Foil • Radial Epoxy Dipped

TYPE: C204 Series

(mm)

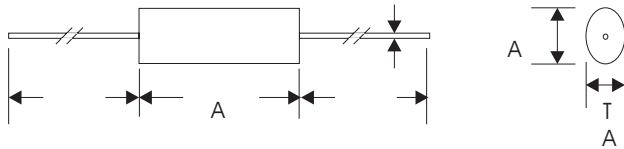
CAP. (μ F)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	8.0	10.5	102C204A401K	4.0	8.0	13.0	102C204A631K
0.0012	4.0	8.0	10.5	122C204A401K	4.0	8.0	13.0	122C204A631K
0.0015	4.0	8.0	10.5	152C204A401K	4.0	8.5	13.0	152C204A631K
0.0018	4.0	8.0	10.5	182C204A401K	4.5	8.5	13.0	182C204A631K
0.0022	4.0	8.0	10.5	222C204A401K	4.5	9.0	13.0	222C204A631K
0.0027	4.0	8.5	10.5	272C204A401K	5.0	9.5	13.0	272C204A631K
0.0033	4.5	8.5	10.5	332C204A401K	5.5	10.5	13.0	332C204A631K
0.0039	4.0	8.5	13.0	392C204A401K	6.0	11.0	13.0	392C204A631K
0.0047	4.5	8.5	13.0	472C204A401K	6.5	12.0	13.0	472C204A631K
0.0056	5.0	9.5	13.0	562C204A401K	5.0	9.5	18.5	562C204A631K
0.0068	5.5	10.5	13.0	682C204A401K	5.5	10.0	18.5	682C204A631K
0.0082	5.0	9.5	18.5	822C204A401K	6.0	11.0	18.5	822C204A631K
0.01	5.0	10.0	18.5	103C204A401K	6.5	12.0	18.5	103C204A631K
0.012	5.5	11.0	18.5	123C204A401K	6.5	12.0	26.0	123C204A631K
0.015	6.0	12.0	18.5	153C204A401K	7.5	13.5	26.0	153C204A631K
0.018	6.5	12.5	18.5	183C204A401K	8.0	15.0	26.0	183C204A631K
0.022	7.0	13.0	18.5	223C204A401K	8.5	16.0	26.0	223C204A631K
0.027	7.0	13.0	26.0	273C204A401K	9.5	17.0	26.0	273C204A631K
0.033	8.0	14.0	26.0	333C204A401K	10.0	19.0	26.0	333C204A631K
0.039	8.5	15.0	26.0	393C204A401K	9.5	17.0	31.0	393C204A631K
0.047	9.0	16.0	26.0	473C204A401K	10.5	20.0	31.0	473C204A631K
0.056	9.5	17.0	26.0	563C204A401K	11.0	21.0	31.0	563C204A631K
0.068	10.0	19.0	26.0	683C204A401K	12.0	22.0	31.0	683C204A631K
0.082	10.0	19.0	31.0	823C204A401K	13.0	23.5	31.0	823C204A631K
0.1	10.5	20.0	31.0	104C204A401K	14.5	26.0	31.0	104C204A631K
0.12	11.5	21.0	31.0	124C204A401K				
0.15	12.5	23.0	31.0	154C204A401K				
0.18	13.5	25.0	31.0	184C204A401K				
0.22	15.0	27.0	31.0	224C204A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polycarbonate Film & Foil - Axial Oval Wrap & Fill

TYPE: C206 Series



L	11.0	14.0	19.0	26.5	32.0	45.0
d	0.5	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μF)	100 VDC				160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102C206A101K	3.5	6.0	11.0	102C206A161K	3.5	6.0	11.0	102C206A251K
0.0012	3.5	6.0	11.0	122C206A101K	3.5	6.0	11.0	122C206A161K	3.5	6.0	11.0	122C206A251K
0.0015	3.5	6.0	11.0	152C206A101K	3.5	6.0	11.0	152C206A161K	3.5	6.0	11.0	152C206A251K
0.0018	3.5	6.0	11.0	182C206A101K	3.5	6.0	11.0	182C206A161K	3.5	6.0	11.0	182C206A251K
0.0022	3.5	6.0	11.0	222C206A101K	3.5	6.0	11.0	222C206A161K	3.5	6.0	11.0	222C206A251K
0.0027	3.5	6.0	11.0	272C206A101K	3.5	6.0	11.0	272C206A161K	3.5	6.0	11.0	272C206A251K
0.0033	3.5	6.0	11.0	332C206A101K	3.5	6.0	11.0	332C206A161K	3.5	6.5	11.0	332C206A251K
0.0039	3.5	6.0	11.0	392C206A101K	3.5	6.0	11.0	392C206A161K	3.5	6.0	14.0	392C206A251K
0.0047	3.5	6.0	11.0	472C206A101K	3.5	6.0	11.0	472C206A161K	3.5	6.0	14.0	472C206A251K
0.0056	3.5	6.0	11.0	562C206A101K	3.5	6.0	14.0	562C206A161K	3.5	6.5	14.0	562C206A251K
0.0068	3.5	6.0	11.0	682C206A101K	3.5	6.0	14.0	682C206A161K	3.5	6.5	14.0	682C206A251K
0.0082	3.5	6.5	11.0	822C206A101K	3.5	6.0	14.0	822C206A161K	4.0	7.0	14.0	822C206A251K
0.01	3.5	6.5	11.0	103C206A101K	3.5	6.5	14.0	103C206A161K	4.5	8.0	14.0	103C206A251K
0.012	3.5	6.0	14.0	123C206A101K	3.5	6.5	14.0	123C206A161K	3.5	6.0	19.0	123C206A251K
0.015	3.5	6.5	14.0	153C206A101K	4.0	7.0	14.0	153C206A161K	3.5	6.5	19.0	153C206A251K
0.018	3.5	6.5	14.0	183C206A101K	4.5	7.5	14.0	183C206A161K	4.0	7.0	19.0	183C206A251K
0.022	4.0	7.0	14.0	223C206A101K	4.5	8.5	14.0	223C206A161K	4.5	8.5	19.0	223C206A251K
0.027	4.0	7.5	14.0	273C206A101K	4.0	7.5	19.0	273C206A161K	5.0	9.0	19.0	273C206A251K
0.033	4.5	8.0	14.0	333C206A101K	4.5	8.0	19.0	333C206A161K	5.0	9.5	19.0	333C206A251K
0.039	4.0	7.5	19.0	393C206A101K	5.0	9.0	19.0	393C206A161K	5.5	10.5	19.0	393C206A251K
0.047	4.5	8.0	19.0	473C206A101K	5.0	9.5	19.0	473C206A161K	6.0	11.0	19.0	473C206A251K
0.056	5.0	9.0	19.0	563C206A101K	5.5	10.0	19.0	563C206A161K	6.0	11.0	26.5	563C206A251K
0.068	5.0	10.0	19.0	683C206A101K	6.0	11.0	19.0	683C206A161K	6.5	12.0	26.5	683C206A251K
0.082	5.5	10.5	19.0	823C206A101K	6.0	11.0	26.5	823C206A161K	7.0	13.0	26.5	823C206A251K
0.10	6.0	11.0	19.0	104C206A101K	6.0	11.5	26.5	104C206A161K	7.5	13.5	26.5	104C206A251K
0.12	5.5	10.5	26.5	124C206A101K	6.5	12.0	26.5	124C206A161K	8.0	14.0	32.0	124C206A251K
0.15	6.0	11.0	26.5	154C206A101K	7.0	13.0	26.5	154C206A161K	8.5	15.0	32.0	154C206A251K
0.18	6.5	12.0	26.5	184C206A101K	8.0	14.0	26.5	184C206A161K	9.0	16.5	32.0	184C206A251K
0.22	7.0	13.0	26.5	224C206A101K	8.5	15.0	26.5	224C206A161K	9.5	18.0	32.0	224C206A251K
0.27	8.0	14.0	26.5	274C206A101K	9.0	16.0	32.0	274C206A161K	9.0	16.0	45.0	274C206A251K
0.33	8.5	15.0	26.5	334C206A101K	9.0	17.0	32.0	334C206A161K	9.5	17.0	45.0	334C206A251K
0.39	8.5	15.0	32.0	394C206A101K	9.5	18.0	32.0	394C206A161K	9.5	18.0	45.0	394C206A251K
0.47	9.0	17.0	32.0	474C206A101K	10.5	20.0	32.0	474C206A161K	10.5	20.5	45.0	474C206A251K
0.56	9.5	18.0	32.0	564C206A101K	9.0	17.0	45.0	564C206A161K	12.0	21.5	45.0	564C206A251K
0.68	10.5	20.0	32.0	684C206A101K	9.5	18.0	45.0	684C206A161K	13.5	23.0	45.0	684C206A251K
0.82	9.0	17.0	45.0	824C206A101K	10.0	19.0	45.0	824C206A161K	14.5	25.0	45.0	824C206A251K
1.0	9.5	18.5	45.0	105C206A101K	11.5	21.0	45.0	105C206A161K	16.0	28.0	45.0	105C206A251K
1.2	10.5	20.0	45.0	125C206A101K	13.0	22.5	45.0	125C206A161K				
1.5	12.0	21.5	45.0	155C206A101K	14.0	25.0	45.0	155C206A161K				
1.8	13.0	23.0	45.0	185C206A101K	16.0	27.0	45.0	185C206A161K				
2.2	14.5	25.0	45.0	225C206A101K	18.0	30.0	45.0	225C206A161K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polycarbonate Film & Foil ▪ Axial Oval Wrap & Fill

TYPE: C206 Series

(mm)

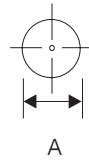
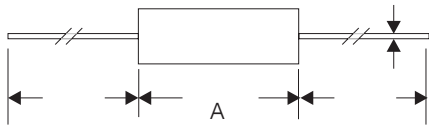
CAP. (µF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102C206A401K	3.5	6.0	14.0	102C206A631K
0.0012	3.5	6.0	11.0	122C206A401K	3.5	6.0	14.0	122C206A631K
0.0015	3.5	6.0	11.0	152C206A401K	3.5	6.5	14.0	152C206A631K
0.0018	3.5	6.0	11.0	182C206A401K	3.5	6.5	14.0	182C206A631K
0.0022	3.5	6.0	11.0	222C206A401K	4.0	7.0	14.0	222C206A631K
0.0027	3.5	6.0	14.0	272C206A401K	4.5	8.0	14.0	272C206A631K
0.0033	3.5	6.0	14.0	332C206A401K	4.5	8.5	14.0	332C206A631K
0.0039	3.5	6.0	14.0	392C206A401K	3.5	6.5	19.0	392C206A631K
0.0047	3.5	6.5	14.0	472C206A401K	4.0	7.0	19.0	472C206A631K
0.0056	3.5	6.0	19.0	562C206A401K	4.5	7.5	19.0	562C206A631K
0.0068	3.5	6.5	19.0	682C206A401K	4.5	8.0	19.0	682C206A631K
0.0082	4.0	7.0	19.0	822C206A401K	5.0	8.5	19.0	822C206A631K
0.01	4.5	7.5	19.0	103C206A401K	5.5	9.0	19.0	103C206A631K
0.012	4.5	8.5	19.0	123C206A401K	5.5	10.0	26.5	123C206A631K
0.015	5.0	9.0	19.0	153C206A401K	6.0	11.0	26.5	153C206A631K
0.018	5.0	9.5	19.0	183C206A401K	6.5	12.0	26.5	183C206A631K
0.022	5.5	10.5	19.0	223C206A401K	7.0	13.0	26.5	223C206A631K
0.027	5.5	10.5	26.5	273C206A401K	8.0	14.0	26.5	273C206A631K
0.033	6.0	11.0	26.5	333C206A401K	8.5	15.0	26.5	333C206A631K
0.039	6.5	12.5	26.5	393C206A401K	8.5	15.0	32.0	393C206A631K
0.047	7.0	13.0	26.5	473C206A401K	9.0	16.0	32.0	473C206A631K
0.056	7.0	13.0	32.0	563C206A401K	8.0	14.0	45.0	563C206A631K
0.068	8.0	14.0	32.0	683C206A401K	8.5	15.0	45.0	683C206A631K
0.082	8.5	15.0	32.0	823C206A401K	9.0	16.0	45.0	823C206A631K
0.1	9.0	16.0	32.0	104C206A401K	9.5	17.5	45.0	104C206A631K
0.12	9.5	17.5	32.0	124C206A401K	10.0	19.0	45.0	124C206A631K
0.15	10.0	19.0	32.0	154C206A401K	11.0	21.0	45.0	154C206A631K
0.18	9.0	16.5	45.0	184C206A401K	12.5	22.5	45.0	184C206A631K
0.22	9.5	18.0	45.0	224C206A401K	14.0	24.0	45.0	224C206A631K
0.27	10.5	20.0	45.0	274C206A401K				
0.33	11.5	21.5	45.0	334C206A401K				
0.39	12.5	22.5	45.0	394C206A401K				
0.47	13.5	24.0	45.0	474C206A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polycarbonate Film & Foil - Axial Round Wrap & Fill

TYPE: C208 Series



L	11.0	14.0	19.0	26.5	32.0	45.0
d	0.5	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μF)	100 VDC			160 VDC			250 VDC		
	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.0001	4.5	11.0	101C208A101K						
0.00012	4.5	11.0	121C208A101K						
0.00015	4.5	11.0	151C208A101K						
0.00018	4.5	11.0	181C208A101K						
0.00022	4.5	11.0	221C208A101K						
0.00027	4.5	11.0	271C208A101K						
0.00033	4.5	11.0	331C208A101K						
0.00039	4.5	11.0	391C208A101K						
0.00047	4.5	11.0	471C208A101K						
0.00056	4.5	11.0	561C208A101K						
0.00068	4.5	11.0	681C208A101K						
0.00082	4.5	11.0	821C208A101K						
0.001	4.5	11.0	102C208A101K	4.5	11.0	102C208A161K	4.5	11.0	102C208A251K
0.0012	4.5	11.0	122C208A101K	4.5	11.0	122C208A161K	4.5	11.0	122C208A251K
0.0015	4.5	11.0	152C208A101K	4.5	11.0	152C208A161K	4.5	11.0	152C208A251K
0.0018	4.5	11.0	182C208A101K	4.5	11.0	182C208A161K	4.5	11.0	182C208A251K
0.0022	4.5	11.0	222C208A101K	4.5	11.0	222C208A161K	4.5	11.0	222C208A251K
0.0027	4.5	11.0	272C208A101K	4.5	11.0	272C208A161K	5.0	11.0	272C208A251K
0.0033	4.5	11.0	332C208A101K	4.5	11.0	332C208A161K	5.5	11.0	332C208A251K
0.0039	4.5	11.0	392C208A101K	5.0	11.0	392C208A161K	5.0	14.0	392C208A251K
0.0047	4.5	11.0	472C208A101K	5.0	11.0	472C208A161K	5.0	14.0	472C208A251K
0.0056	4.5	11.0	562C208A101K	5.0	14.0	562C208A161K	5.5	14.0	562C208A251K
0.0068	5.0	11.0	682C208A101K	5.0	14.0	682C208A161K	5.5	14.0	682C208A251K
0.0082	5.5	11.0	822C208A101K	5.0	14.0	822C208A161K	6.0	14.0	822C208A251K
0.01	5.5	11.0	103C208A101K	5.5	14.0	103C208A161K	6.5	14.0	103C208A251K
0.012	5.0	14.0	123C208A101K	5.5	14.0	123C208A161K	5.0	19.0	123C208A251K
0.015	5.5	14.0	153C208A101K	6.0	14.0	153C208A161K	5.5	19.0	153C208A251K
0.018	5.5	14.0	183C208A101K	6.5	14.0	183C208A161K	6.0	19.0	183C208A251K
0.022	6.0	14.0	223C208A101K	6.5	14.0	223C208A161K	6.5	19.0	223C208A251K
0.027	6.5	14.0	273C208A101K	6.0	19.0	273C208A161K	7.0	19.0	273C208A251K
0.033	6.5	14.0	333C208A101K	6.5	19.0	333C208A161K	7.5	19.0	333C208A251K
0.039	6.0	19.0	393C208A101K	7.0	19.0	393C208A161K	8.0	19.0	393C208A251K
0.047	6.5	19.0	473C208A101K	7.5	19.0	473C208A161K	8.5	19.0	473C208A251K
0.056	7.0	19.0	563C208A101K	8.0	19.0	563C208A161K	9.0	26.5	563C208A251K
0.068	7.5	19.0	683C208A101K	8.5	19.0	683C208A161K	9.5	26.5	683C208A251K
0.082	8.0	19.0	823C208A101K	8.5	26.5	823C208A161K	10.0	26.5	823C208A251K
0.1	8.5	19.0	104C208A101K	9.0	26.5	104C208A161K	11.0	26.5	104C208A251K
0.12	8.0	26.5	124C208A101K	9.5	26.5	124C208A161K	11.5	32.0	124C208A251K
0.15	8.5	26.5	154C208A101K	10.0	26.5	154C208A161K	12.5	32.0	154C208A251K
0.18	9.5	26.5	184C208A101K	11.0	26.5	184C208A161K	13.5	32.0	184C208A251K
0.22	10.0	26.5	224C208A101K	12.5	26.5	224C208A161K	14.5	32.0	224C208A251K
0.27	11.0	26.5	274C208A101K	13.0	32.0	274C208A161K	13.0	45.0	274C208A251K
0.33	12.5	26.5	334C208A101K	14.0	32.0	334C208A161K	14.0	45.0	334C208A251K
0.39	12.5	32.0	394C208A101K	15.0	32.0	394C208A161K	15.0	45.0	394C208A251K
0.47	14.0	32.0	474C208A101K	16.0	32.0	474C208A161K	16.5	45.0	474C208A251K
0.56	15.0	32.0	564C208A101K	13.5	45.0	564C208A161K	17.5	45.0	564C208A251K
0.68	16.0	32.0	684C208A101K	14.5	45.0	684C208A161K	19.0	45.0	684C208A251K
0.82	14.0	45.0	824C208A101K	15.5	45.0	824C208A161K	20.5	45.0	824C208A251K
1.0	15.0	45.0	105C208A101K	17.0	45.0	105C208A161K	22.5	45.0	105C208A251K
1.2	16.0	45.0	125C208A101K	18.5	45.0	125C208A161K			
1.5	17.5	45.0	155C208A101K	20.0	45.0	155C208A161K			
1.8	19.0	45.0	185C208A101K	23.0	45.0	185C208A161K			
2.2	20.5	45.0	225C208A101K	24.5	45.0	225C208A161K			

*Other Values, Voltages, And Dimensions Are Available On Request



Polycarbonate Film & Foil ▪ Axial Round Wrap & Fill

TYPE: C208 Series

(mm)

CAP. (µF)	400 VDC			630 VDC		
	D	H	Part No.	D	L	Part No.
0.0001						
0.00012						
0.00015						
0.00018						
0.00022						
0.00027						
0.00033						
0.00039						
0.00047						
0.00056						
0.00068						
0.00082						
0.001	5.0	11.0	102C208A401K	5.0	14.0	102C208A631K
0.0012	5.0	11.0	122C208A401K	5.0	14.0	122C208A631K
0.0015	5.0	11.0	152C208A401K	5.5	14.0	152C208A631K
0.0018	5.0	11.0	182C208A401K	5.5	14.0	182C208A631K
0.0022	5.0	11.0	222C208A401K	6.0	14.0	222C208A631K
0.0027	5.0	14.0	272C208A401K	6.5	14.0	272C208A631K
0.0033	5.0	14.0	332C208A401K	7.0	14.0	332C208A631K
0.0039	5.5	14.0	392C208A401K	5.5	19.0	392C208A631K
0.0047	5.5	14.0	472C208A401K	5.5	19.0	472C208A631K
0.0056	5.0	19.0	562C208A401K	6.0	19.0	562C208A631K
0.0068	5.5	19.0	682C208A401K	6.5	19.0	682C208A631K
0.0082	6.0	19.0	822C208A401K	7.0	19.0	822C208A631K
0.01	6.5	19.0	103C208A401K	7.5	19.0	103C208A631K
0.012	7.0	19.0	123C208A401K	8.0	26.5	123C208A631K
0.015	7.5	19.0	153C208A401K	8.5	26.5	153C208A631K
0.018	7.5	19.0	183C208A401K	9.5	26.5	183C208A631K
0.022	8.0	19.0	223C208A401K	10.0	26.5	223C208A631K
0.027	8.0	26.5	273C208A401K	11.0	26.5	273C208A631K
0.033	9.5	26.5	333C208A401K	12.0	26.5	333C208A631K
0.039	10.0	26.5	393C208A401K	12.0	32.0	393C208A631K
0.047	10.5	26.5	473C208A401K	13.5	32.0	473C208A631K
0.056	10.0	32.0	563C208A401K	11.5	45.0	563C208A631K
0.068	11.0	32.0	683C208A401K	12.5	45.0	683C208A631K
0.082	12.0	32.0	823C208A401K	13.5	45.0	823C208A631K
0.1	13.0	32.0	104C208A401K	14.5	45.0	104C208A631K
0.12	14.0	32.0	124C208A401K	15.5	45.0	124C208A631K
0.15	15.5	32.0	154C208A401K	17.0	45.0	154C208A631K
0.18	13.5	45.0	184C208A401K	18.5	45.0	184C208A631K
0.22	14.5	45.0	224C208A401K	20.0	45.0	224C208A631K
0.27	16.0	45.0	274C208A401K			
0.33	17.0	45.0	334C208A401K			
0.39	18.0	45.0	394C208A401K			
0.47	19.5	45.0	474C208A401K			

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polypropylene - Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
P102	Radial Box	0.001 To 10.0	±1% To ±20%	3 - 87
P104	Radial Epoxy Dip	0.001 To 10.0	±1% To ±20%	3 - 89
P106	Axial Oval Wrap & Fill	0.001 To 22.0	±1% To ±20%	3 - 91
P108	Axial Round Wrap & Fill	0.001 To 22.0	±1% To ±20%	3 - 93

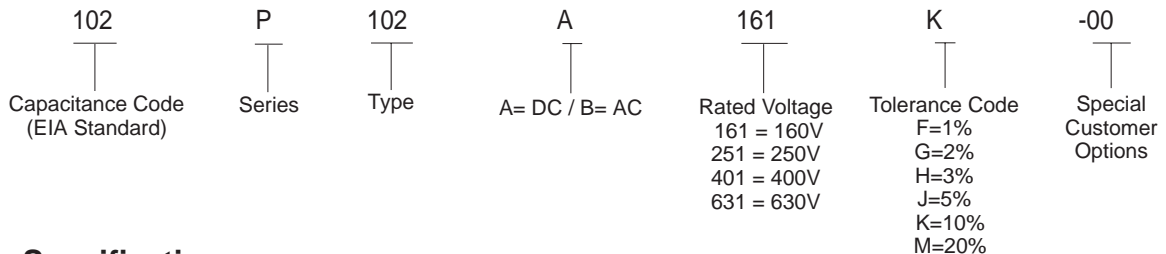
Features

- 1) Extended foil, non-inductive construction
- 2) Self-healing properties and excellent AC performance
- 3) Low dissipation factor, low ESR and Low dielectric absorption
- 4) High insulation resistance and high stability of capacitance
- 5) Negative temperature coefficient of capacitance

Applications

- 1) Pulse operations
- 2) High frequency coupling/decoupling
- 3) Sample and hold circuits
- 4) Timing and retrace circuits
- 5) Integrating networks
- 6) Audio amplifiers
- 7) Switching power supplies

Part Numbering System



Specifications

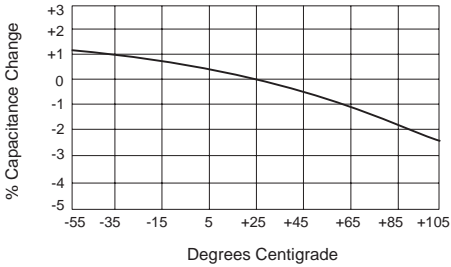
- 1) Operating Temperature Range: -55°C To +105°C with full Rated Voltage applied, 0.1% Maximum at +25°C and 1Khz
- 2) Dissipation Factor: 160VDC, 250VDC, 400VDC, 630VDC
- 3) Rated Voltage: 200% of rated voltage for 5 seconds
- 4) Dielectric Strength: At +25°C after 2 minutes electrification at rated DC voltage or 500VDC, the minimum IR shall be ≥ 100,000 Megohms for C≤0.33uF, ≥ 30,000 Megohms X MFD(sec) C>0.33uF
- 5) Insulation Resistance:
- 6) Dielectric Absorption: 0.1% maximum at +25°C
- 7) Capacitance Change: Temperature coefficient -200 (+50, -100) PPM/°C



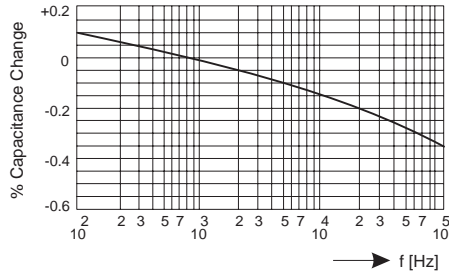
Metallized Polypropylene

TYPE: P102, P104, P106, P108 Series

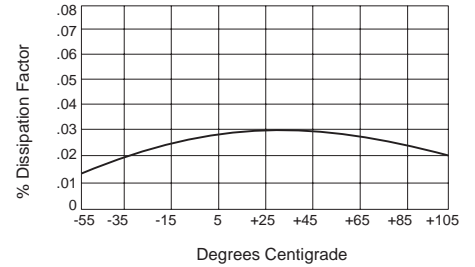
Capacitance Change vs. Temperature At 1KHz



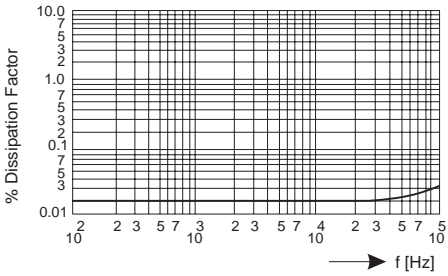
Capacitance Change vs. Frequency (Room Temp.)



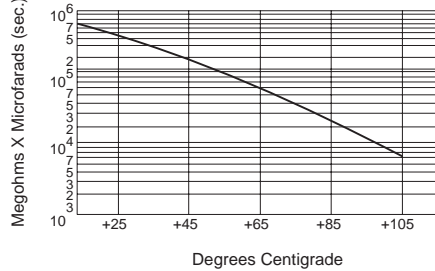
Dissipation Factor vs. Temperature At 1KHz



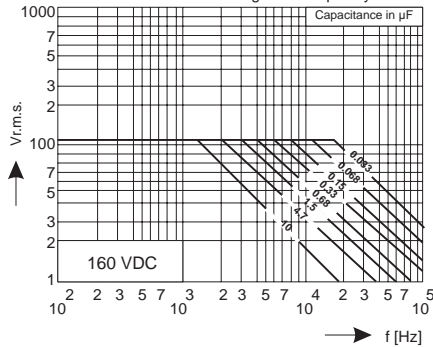
Dissipation Factor vs. Frequency (Room Temp.)



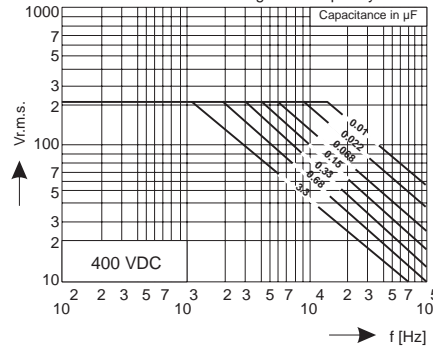
Insulation Resistance vs. Temperature



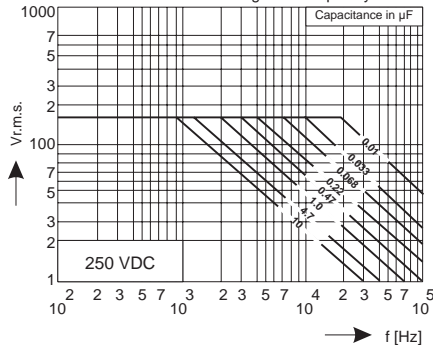
Permissible AC Voltage vs. Frequency



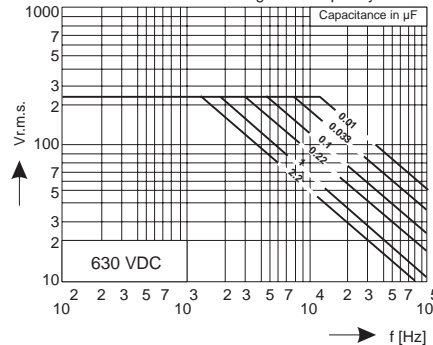
Permissible AC Voltage vs. Frequency



Permissible AC Voltage vs. Frequency



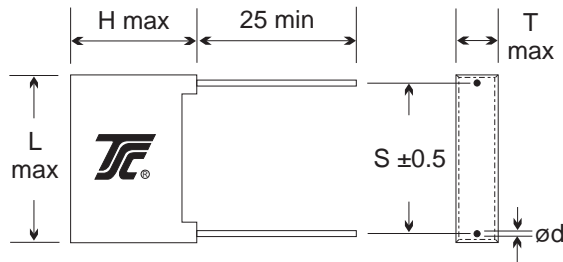
Permissible AC Voltage vs. Frequency





Metallized Polypropylene • Radial Box

TYPE: P102 Series



L	10.5	13.0	18.0	26.5	32.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (µF)	160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	9.0	10.5	102P102A161K	4.0	9.0	10.5	102P102A251K
0.0012	4.0	9.0	10.5	122P102A161K	4.0	9.0	10.5	122P102A251K
0.0015	4.0	9.0	10.5	152P102A161K	4.0	9.0	10.5	152P102A251K
0.0018	4.0	9.0	10.5	182P102A161K	4.0	9.0	10.5	182P102A251K
0.0022	4.0	9.0	10.5	222P102A161K	4.0	9.0	10.5	222P102A251K
0.0027	4.0	9.0	10.5	272P102A161K	4.0	9.0	10.5	272P102A251K
0.0033	4.0	9.0	10.5	332P102A161K	4.0	9.0	10.5	332P102A251K
0.0039	4.0	9.0	10.5	392P102A161K	4.0	9.0	10.5	392P102A251K
0.0047	4.0	9.0	10.5	472P102A161K	4.0	9.0	10.5	472P102A251K
0.0056	4.0	9.0	10.5	562P102A161K	4.0	9.0	10.5	562P102A251K
0.0068	4.0	9.0	10.5	682P102A161K	4.0	9.0	10.5	682P102A251K
0.0082	4.0	9.0	10.5	822P102A161K	4.0	9.0	10.5	822P102A251K
0.01	4.0	9.0	10.5	103P102A161K	4.0	9.0	10.5	103P102A251K
0.012	4.0	9.0	10.5	123P102A161K	4.0	9.0	10.5	123P102A251K
0.015	4.0	9.0	10.5	153P102A161K	4.0	9.0	10.5	153P102A251K
0.018	4.0	9.0	10.5	183P102A161K	4.0	9.0	10.5	183P102A251K
0.022	4.0	9.0	10.5	223P102A161K	4.0	9.0	10.5	223P102A251K
0.027	4.0	9.0	10.5	273P102A161K	4.0	9.0	13.0	273P102A251K
0.033	4.0	9.0	10.5	333P102A161K	4.0	9.0	13.0	333P102A251K
0.039	4.0	9.0	10.5	393P102A161K	5.0	11.0	13.0	393P102A251K
0.047	4.0	9.0	10.5	473P102A161K	5.0	11.0	13.0	473P102A251K
0.056	4.0	9.0	13.0	563P102A161K	6.0	12.0	13.0	563P102A251K
0.068	4.0	9.0	13.0	683P102A161K	6.0	12.0	13.0	683P102A251K
0.082	4.0	9.0	13.0	823P102A161K	5.0	11.0	18.0	823P102A251K
0.10	5.0	11.0	13.0	104P102A161K	5.0	11.0	18.0	104P102A251K
0.12	5.0	11.0	13.0	124P102A161K	6.0	12.0	18.0	124P102A251K
0.15	6.0	12.0	13.0	154P102A161K	6.0	12.0	18.0	154P102A251K
0.18	5.0	11.0	18.0	184P102A161K	7.5	13.5	18.0	184P102A251K
0.22	5.0	11.0	18.0	224P102A161K	7.5	13.5	18.0	224P102A251K
0.27	6.0	12.0	18.0	274P102A161K	8.5	15.0	18.0	274P102A251K
0.33	6.0	12.0	18.0	334P102A161K	8.5	15.0	18.0	334P102A251K
0.39	7.5	13.5	18.0	394P102A161K	7.0	16.5	26.5	394P102A251K
0.47	7.5	13.5	18.0	474P102A161K	8.5	17.0	26.5	474P102A251K
0.56	8.5	15.0	18.0	564P102A161K	8.5	17.0	26.5	564P102A251K
0.68	8.5	15.0	18.0	684P102A161K	10.0	19.0	26.5	684P102A251K
0.82	7.0	16.5	26.5	824P102A161K	11.0	20.0	32.0	824P102A251K
1.0	8.5	17.0	26.5	105P102A161K	11.0	20.0	32.0	105P102A251K
1.2	8.5	17.0	26.5	125P102A161K	11.0	20.0	32.0	125P102A251K
1.5	10.0	19.0	26.5	155P102A161K	13.0	22.0	32.0	155P102A251K
1.8	11.0	20.0	32.0	185P102A161K	15.0	25.0	32.0	185P102A251K
2.2	11.0	20.0	32.0	225P102A161K	15.0	25.0	32.0	225P102A251K
2.7	11.0	20.0	32.0	275P102A161K	18.0	30.0	32.0	275P102A251K
3.3	13.0	22.0	32.0	335P102A161K	18.0	30.0	32.0	335P102A251K
3.9	15.0	25.0	32.0	395P102A161K	18.0	30.0	32.0	395P102A251K
4.7	15.0	25.0	32.0	475P102A161K	18.0	30.0	32.0	475P102A251K
5.6	18.0	30.0	32.0	565P102A161K				
6.8	18.0	30.0	32.0	685P102A161K				
8.2	18.0	30.0	32.0	825P102A161K				
10.0	18.0	30.0	32.0	106P102A161K				

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polypropylene • Radial Box

TYPE: P102 Series

(mm)

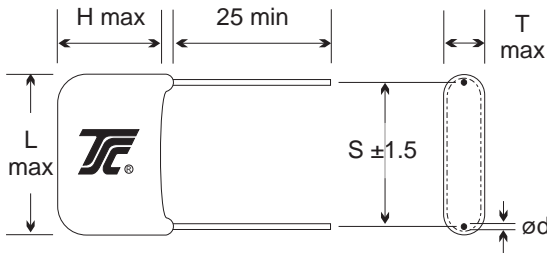
CAP. (µF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	9.0	10.5	102P102A401K	4.0	9.0	10.5	102P102A631K
0.0012	4.0	9.0	10.5	122P102A401K	4.0	9.0	10.5	122P102A631K
0.0015	4.0	9.0	10.5	152P102A401K	4.0	9.0	10.5	152P102A631K
0.0018	4.0	9.0	10.5	182P102A401K	4.0	9.0	10.5	182P102A631K
0.0022	4.0	9.0	10.5	222P102A401K	4.0	9.0	10.5	222P102A631K
0.0027	4.0	9.0	10.5	272P102A401K	4.0	9.0	10.5	272P102A631K
0.0033	4.0	9.0	10.5	332P102A401K	4.0	9.0	10.5	332P102A631K
0.0039	4.0	9.0	10.5	392P102A401K	4.0	9.0	13.0	392P102A631K
0.0047	4.0	9.0	10.5	472P102A401K	4.0	9.0	13.0	472P102A631K
0.0056	4.0	9.0	10.5	562P102A401K	4.0	9.0	13.0	562P102A631K
0.0068	4.0	9.0	10.5	682P102A401K	4.0	9.0	13.0	682P102A631K
0.0082	4.0	9.0	10.5	822P102A401K	4.0	9.0	13.0	822P102A631K
0.01	4.0	9.0	10.5	103P102A401K	5.0	11.0	13.0	103P102A631K
0.012	4.0	9.0	13.0	123P102A401K	5.0	11.0	13.0	123P102A631K
0.015	4.0	9.0	13.0	153P102A401K	6.0	12.0	13.0	153P102A631K
0.018	4.0	9.0	13.0	183P102A401K	5.0	11.0	18.0	183P102A631K
0.022	5.0	11.0	13.0	223P102A401K	6.0	12.0	18.0	223P102A631K
0.027	5.0	11.0	13.0	273P102A401K	6.0	12.0	18.0	273P102A631K
0.033	6.0	11.0	13.0	333P102A401K	6.0	12.0	18.0	333P102A631K
0.039	5.0	12.0	13.0	393P102A401K	7.5	13.5	18.0	393P102A631K
0.047	5.0	12.0	13.0	473P102A401K	7.5	13.5	18.0	473P102A631K
0.056	6.0	11.0	18.0	563P102A401K	7.5	13.5	18.0	563P102A631K
0.068	6.0	12.0	18.0	683P102A401K	8.5	15.0	18.0	683P102A631K
0.082	7.5	12.0	18.0	823P102A401K	7.0	16.5	26.5	823P102A631K
0.10	7.5	13.5	18.0	104P102A401K	8.5	17.0	26.5	104P102A631K
0.12	8.5	15.0	18.0	124P102A401K	8.5	17.0	26.5	124P102A631K
0.15	8.5	15.0	18.0	154P102A401K	10.0	19.0	26.5	154P102A631K
0.18	7.0	16.5	26.5	184P102A401K	11.0	20.0	32.0	184P102A631K
0.22	8.5	17.0	26.5	224P102A401K	11.0	20.0	32.0	224P102A631K
0.27	8.5	17.0	26.5	274P102A401K	11.0	20.0	32.0	274P102A631K
0.33	10.0	19.0	26.5	334P102A401K	13.0	22.0	32.0	334P102A631K
0.39	11.0	20.0	32.0	394P102A401K	13.0	22.0	32.0	394P102A631K
0.47	11.0	20.0	32.0	474P102A401K	15.0	25.0	32.0	474P102A631K
0.56	11.0	20.0	32.0	564P102A401K	15.0	25.0	32.0	564P102A631K
0.68	13.0	22.0	32.0	684P102A401K	18.0	30.0	32.0	684P102A631K
0.82	15.0	22.0	32.0	824P102A401K	18.0	30.0	32.0	824P102A631K
1.0	15.0	25.0	32.0	105P102A401K	18.0	30.0	32.0	105P102A631K
1.2	18.0	25.0	32.0	125P102A401K				
1.5	18.0	30.0	32.0	155P102A401K				
1.8	18.0	30.0	32.0	185P102A401K				
2.2	18.0	30.0	32.0	225P102A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polypropylene • Radial Epoxy Dipped

TYPE: P104 Series



L	10.0	12.5	18.0	26.0	31.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μ F)	160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	8.0	10.0	102P104A161K	4.0	8.0	10.0	102P104A251K
0.0012	4.0	8.0	10.0	122P104A161K	4.0	8.0	10.0	122P104A251K
0.0015	4.0	8.0	10.0	152P104A161K	4.0	8.0	10.0	152P104A251K
0.0018	4.0	8.0	10.0	182P104A161K	4.0	8.0	10.0	182P104A251K
0.0022	4.0	8.0	10.0	222P104A161K	4.0	8.0	10.0	222P104A251K
0.0027	4.0	8.0	10.0	272P104A161K	4.0	8.0	10.0	272P104A251K
0.0033	4.0	8.0	10.0	332P104A161K	4.0	8.0	10.0	332P104A251K
0.0039	4.0	8.0	10.0	392P104A161K	4.0	8.0	10.0	392P104A251K
0.0047	4.0	8.0	10.0	472P104A161K	4.0	8.0	10.0	472P104A251K
0.0056	4.0	8.0	10.0	562P104A161K	4.0	8.0	10.0	562P104A251K
0.0068	4.0	8.0	10.0	682P104A161K	4.0	8.0	10.0	682P104A251K
0.0082	4.0	8.0	10.0	822P104A161K	4.0	8.0	10.0	822P104A251K
0.01	4.0	8.0	10.0	103P104A161K	4.0	8.0	10.0	103P104A251K
0.012	4.0	8.0	10.0	123P104A161K	4.0	8.0	10.0	123P104A251K
0.015	4.0	8.0	10.0	153P104A161K	4.0	8.5	10.0	153P104A251K
0.018	4.0	8.0	10.0	183P104A161K	4.0	8.5	10.0	183P104A251K
0.022	4.0	8.0	10.0	223P104A161K	4.0	9.0	10.0	223P104A251K
0.027	4.0	8.5	10.0	273P104A161K	4.0	8.5	12.5	273P104A251K
0.033	4.0	8.5	10.0	333P104A161K	4.5	9.0	12.5	333P104A251K
0.039	4.0	9.0	10.0	393P104A161K	5.0	10.0	12.5	393P104A251K
0.047	4.0	9.0	10.0	473P104A161K	5.5	10.5	12.5	473P104A251K
0.056	4.0	9.0	12.5	563P104A161K	5.5	11.0	12.5	563P104A251K
0.068	4.0	9.0	12.5	683P104A161K	6.0	12.0	12.5	683P104A251K
0.082	4.5	9.0	12.5	823P104A161K	5.0	10.0	18.0	823P104A251K
0.10	4.5	9.5	12.5	104P104A161K	5.5	11.0	18.0	104P104A251K
0.12	5.0	10.0	12.5	124P104A161K	6.0	12.0	18.0	124P104A251K
0.15	5.5	11.0	12.5	154P104A161K	6.5	12.5	18.0	154P104A251K
0.18	5.0	10.0	18.0	184P104A161K	7.0	13.0	18.0	184P104A251K
0.22	5.5	11.0	18.0	224P104A161K	7.5	14.0	18.0	224P104A251K
0.27	6.0	12.0	18.0	274P104A161K	8.0	15.0	18.0	274P104A251K
0.33	6.5	12.5	18.0	334P104A161K	9.0	16.5	18.0	334P104A251K
0.39	7.0	13.0	18.0	394P104A161K	8.0	14.5	26.0	394P104A251K
0.47	7.5	13.5	18.0	474P104A161K	8.5	15.0	26.0	474P104A251K
0.56	8.0	14.5	18.0	564P104A161K	9.0	16.5	26.0	564P104A251K
0.68	8.5	16.0	18.0	684P104A161K	9.5	18.0	26.0	684P104A251K
0.82	8.0	14.5	26.0	824P104A161K	9.5	17.0	31.0	824P104A251K
1.0	8.5	16.0	26.0	105P104A161K	10.0	19.0	31.0	105P104A251K
1.2	9.0	16.5	26.0	125P104A161K	11.0	20.0	31.0	125P104A251K
1.5	9.5	18.0	26.0	155P104A161K	12.5	23.0	31.0	155P104A251K
1.8	9.5	18.0	31.0	185P104A161K	13.0	24.0	31.0	185P104A251K
2.2	10.0	20.0	31.0	225P104A161K	14.0	26.0	31.0	225P104A251K
2.7	11.5	21.0	31.0	275P104A161K	15.5	28.0	31.0	275P104A251K
3.3	12.5	23.0	31.0	335P104A161K	17.5	31.0	31.0	335P104A251K
3.9	13.5	25.0	31.0	395P104A161K	19.0	33.0	31.0	395P104A251K
4.7	15.0	26.0	31.0	475P104A161K	22.0	36.0	31.0	475P104A251K
5.6	16.0	28.0	31.0	565P104A161K				
6.8	17.0	30.0	31.0	685P104A161K				
8.2	19.0	32.0	31.0	825P104A161K				
10.0	21.0	35.0	31.0	106P104A161K				

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polypropylene • Radial Epoxy Dipped

TYPE: P104 Series

(mm)

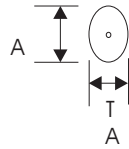
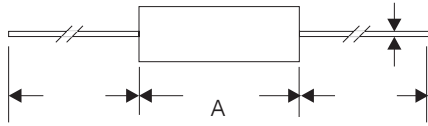
CAP. (μ F)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	8.0	10.0	102P104A401K	4.0	8.0	10.0	102P104A631K
0.0012	4.0	8.0	10.0	122P104A401K	4.0	8.5	10.0	122P104A631K
0.0015	4.0	8.0	10.0	152P104A401K	4.0	8.5	10.0	152P104A631K
0.0018	4.0	8.0	10.0	182P104A401K	4.0	9.0	10.0	182P104A631K
0.0022	4.0	8.0	10.0	222P104A401K	4.0	9.0	10.0	222P104A631K
0.0027	4.0	8.0	10.0	272P104A401K	4.0	9.0	10.0	272P104A631K
0.0033	4.0	8.5	10.0	332P104A401K	4.0	9.0	10.0	332P104A631K
0.0039	4.0	8.5	10.0	392P104A401K	4.0	8.5	12.5	392P104A631K
0.0047	4.0	9.0	10.0	472P104A401K	4.0	9.0	12.5	472P104A631K
0.0056	4.0	9.0	10.0	562P104A401K	4.0	9.0	12.5	562P104A631K
0.0068	4.5	9.0	10.0	682P104A401K	4.5	9.0	12.5	682P104A631K
0.0082	4.5	9.0	10.0	822P104A401K	5.0	9.5	12.5	822P104A631K
0.01	4.5	9.0	10.0	103P104A401K	5.0	10.0	12.5	103P104A631K
0.012	4.0	8.5	12.5	123P104A401K	5.5	11.0	12.5	123P104A631K
0.015	4.5	9.0	12.5	153P104A401K	6.0	12.0	12.5	153P104A631K
0.018	4.5	9.0	12.5	183P104A401K	5.5	11.0	18.0	183P104A631K
0.022	5.0	9.5	12.5	223P104A401K	6.0	12.0	18.0	223P104A631K
0.027	5.0	10.0	12.5	273P104A401K	6.5	12.0	18.0	273P104A631K
0.033	5.5	11.0	12.5	333P104A401K	6.5	12.5	18.0	333P104A631K
0.039	6.0	12.0	12.5	393P104A401K	7.0	13.0	18.0	393P104A631K
0.047	6.5	12.5	12.5	473P104A401K	7.5	13.5	18.0	473P104A631K
0.056	5.5	11.0	18.0	563P104A401K	8.0	14.0	18.0	563P104A631K
0.068	6.5	12.5	18.0	683P104A401K	8.5	16.0	18.0	683P104A631K
0.082	7.0	13.0	18.0	823P104A401K	8.0	14.0	26.0	823P104A631K
0.10	7.5	14.0	18.0	104P104A401K	8.5	16.0	26.0	104P104A631K
0.12	8.0	14.5	18.0	124P104A401K	9.0	16.5	26.0	124P104A631K
0.15	8.5	16.0	18.0	154P104A401K	9.5	18.0	26.0	154P104A631K
0.18	8.0	14.0	26.0	184P104A401K	9.5	17.0	31.0	184P104A631K
0.22	8.5	16.0	26.0	224P104A401K	10.0	19.0	31.0	224P104A631K
0.27	9.0	16.5	26.0	274P104A401K	10.5	20.0	31.0	274P104A631K
0.33	9.5	18.0	26.0	334P104A401K	12.0	22.0	31.0	334P104A631K
0.39	9.5	18.0	31.0	394P104A401K	13.0	23.0	31.0	394P104A631K
0.47	10.0	19.0	31.0	474P104A401K	14.0	25.0	31.0	474P104A631K
0.56	11.0	20.0	31.0	564P104A401K	15.0	27.0	31.0	564P104A631K
0.68	12.0	22.0	31.0	684P104A401K	17.0	30.0	31.0	684P104A631K
0.82	13.0	23.0	31.0	824P104A401K	19.0	33.0	31.0	824P104A631K
1.0	14.0	25.0	31.0	105P104A401K	21.0	35.0	31.0	105P104A631K
1.2	15.0	27.0	31.0	125P104A401K				
1.5	17.0	30.0	31.0	155P104A401K				
1.8	19.0	33.0	31.0	185P104A401K				
2.2	20.5	35.0	31.0	225P104A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polypropylene - Axial Oval Wrap & Fill

TYPE: P106 Series



L	11.0	14.0	19.0	26.5	32.0	45.0	58.0
d	0.5	0.6	0.6	0.8	0.8	0.8	1.0

(mm)

CAP. (μ F)	160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102P106A161K	3.5	6.0	11.0	102P106A251K
0.0012	3.5	6.0	11.0	122P106A161K	3.5	6.0	11.0	122P106A251K
0.0015	3.5	6.0	11.0	152P106A161K	3.5	6.0	11.0	152P106A251K
0.0018	3.5	6.0	11.0	182P106A161K	3.5	6.0	11.0	182P106A251K
0.0022	3.5	6.0	11.0	222P106A161K	3.5	6.0	11.0	222P106A251K
0.0027	3.5	6.0	11.0	272P106A161K	3.5	6.0	11.0	272P106A251K
0.0033	3.5	6.0	11.0	332P106A161K	3.5	6.0	11.0	332P106A251K
0.0039	3.5	6.0	11.0	392P106A161K	3.5	6.0	11.0	392P106A251K
0.0047	3.5	6.0	11.0	472P106A161K	3.5	6.0	11.0	472P106A251K
0.0056	3.5	6.0	11.0	562P106A161K	3.5	6.0	11.0	562P106A251K
0.0068	3.5	6.0	11.0	682P106A161K	3.5	6.0	11.0	682P106A251K
0.0082	3.5	6.0	11.0	822P106A161K	3.5	6.0	11.0	822P106A251K
0.01	3.5	6.0	11.0	103P106A161K	3.5	6.0	11.0	103P106A251K
0.012	3.5	6.0	11.0	123P106A161K	3.5	6.0	11.0	123P106A251K
0.015	3.5	6.0	11.0	153P106A161K	3.5	6.0	11.0	153P106A251K
0.018	3.5	6.0	11.0	183P106A161K	3.5	6.0	11.0	183P106A251K
0.022	3.5	6.0	11.0	223P106A161K	3.5	6.0	11.0	223P106A251K
0.027	3.5	6.0	11.0	273P106A161K	3.5	6.0	14.0	273P106A251K
0.033	3.5	6.0	11.0	333P106A161K	3.5	6.5	14.0	333P106A251K
0.039	3.5	6.0	11.0	393P106A161K	4.0	7.0	14.0	393P106A251K
0.047	3.5	6.5	11.0	473P106A161K	4.5	8.0	14.0	473P106A251K
0.056	3.5	6.0	14.0	563P106A161K	4.5	8.5	14.0	563P106A251K
0.068	3.5	6.0	14.0	683P106A161K	5.0	9.5	14.0	683P106A251K
0.082	3.5	6.5	14.0	823P106A161K	4.0	7.5	19.0	823P106A251K
0.10	4.0	7.0	14.0	104P106A161K	4.5	8.5	19.0	104P106A251K
0.12	4.0	7.5	14.0	124P106A161K	5.0	9.0	19.0	124P106A251K
0.15	4.5	8.0	14.0	154P106A161K	5.0	10.0	19.0	154P106A251K
0.18	4.0	7.5	19.0	184P106A161K	5.5	11.0	19.0	184P106A251K
0.22	4.5	8.0	19.0	224P106A161K	6.0	12.0	19.0	224P106A251K
0.27	5.0	9.0	19.0	274P106A161K	5.5	11.0	26.5	274P106A251K
0.33	5.0	10.0	19.0	334P106A161K	6.0	12.0	26.5	334P106A251K
0.39	5.5	11.0	19.0	394P106A161K	6.5	12.5	26.5	394P106A251K
0.47	6.0	12.0	19.0	474P106A161K	7.0	13.0	26.5	474P106A251K
0.56	5.5	11.0	26.5	564P106A161K	7.5	13.5	26.5	564P106A251K
0.68	6.0	12.0	26.5	684P106A161K	8.0	15.0	26.5	684P106A251K
0.82	6.5	12.5	26.5	824P106A161K	7.5	13.5	32.0	824P106A251K
1.0	7.0	13.0	26.5	105P106A161K	8.5	15.0	32.0	105P106A251K
1.2	7.5	13.5	26.5	125P106A161K	9.0	16.5	32.0	125P106A251K
1.5	8.5	15.5	26.5	155P106A161K	9.5	18.0	32.0	155P106A251K
1.8	8.0	14.0	32.0	185P106A161K	10.0	19.0	32.0	185P106A251K
2.2	8.5	15.5	32.0	225P106A161K	11.5	21.5	32.0	225P106A251K
2.7	9.0	17.0	32.0	275P106A161K	10.5	20.0	45.0	275P106A251K
3.3	9.5	19.0	32.0	335P106A161K	12.0	22.0	45.0	335P106A251K
3.9	10.5	20.0	32.0	395P106A161K	13.0	24.0	45.0	395P106A251K
4.7	12.0	22.0	32.0	475P106A161K	14.5	26.0	45.0	475P106A251K
5.6	10.5	20.0	45.0	565P106A161K	16.0	27.0	45.0	565P106A251K
6.8	12.0	22.0	45.0	685P106A161K	18.5	30.0	45.0	685P106A251K
8.2	13.0	24.0	45.0	825P106A161K	17.5	28.0	58.0	825P106A251K
10.0	14.5	25.0	45.0	106P106A161K	19.5	32.0	58.0	106P106A251K
12.0	16.0	27.0	45.0	126P106A161K	21.5	36.0	58.0	126P106A251K
15.0	19.0	32.0	45.0	156P106A161K	24.0	40.0	58.0	156P106A251K
18.0	17.5	28.0	58.0	186P106A161K	26.0	42.0	58.0	186P106A251K
22.0	19.0	32.0	58.0	226P106A161K	30.0	46.0	58.0	226P106A251K

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polypropylene • Axial Oval Wrap & Fill

TYPE: P106 Series

(mm)

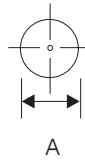
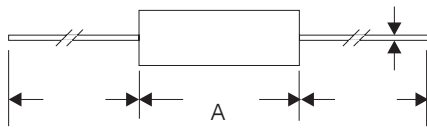
CAP. (µF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102P106A401K	3.5	6.0	11.0	102P106A631K
0.0012	3.5	6.0	11.0	122P106A401K	3.5	6.0	11.0	122P106A631K
0.0015	3.5	6.0	11.0	152P106A401K	3.5	6.0	11.0	152P106A631K
0.0018	3.5	6.0	11.0	182P106A401K	3.5	6.0	11.0	182P106A631K
0.0022	3.5	6.0	11.0	222P106A401K	3.5	6.0	11.0	222P106A631K
0.0027	3.5	6.0	11.0	272P106A401K	3.5	6.0	11.0	272P106A631K
0.0033	3.5	6.0	11.0	332P106A401K	3.5	6.5	11.0	332P106A631K
0.0039	3.5	6.0	11.0	392P106A401K	3.5	6.0	14.0	392P106A631K
0.0047	3.5	6.0	11.0	472P106A401K	3.5	6.5	14.0	472P106A631K
0.0056	3.5	6.0	11.0	562P106A401K	3.5	6.5	14.0	562P106A631K
0.0068	3.5	6.0	11.0	682P106A401K	3.5	6.5	14.0	682P106A631K
0.0082	3.5	6.0	11.0	822P106A401K	4.0	7.0	14.0	822P106A631K
0.01	3.5	6.0	11.0	103P106A401K	4.0	7.5	14.0	103P106A631K
0.012	3.5	6.0	14.0	123P106A401K	4.5	8.0	14.0	123P106A631K
0.015	3.5	6.0	14.0	153P106A401K	5.0	9.0	14.0	153P106A631K
0.018	3.5	6.5	14.0	183P106A401K	4.5	8.0	19.0	183P106A631K
0.022	4.0	7.0	14.0	223P106A401K	5.0	9.0	19.0	223P106A631K
0.027	4.0	7.5	14.0	273P106A401K	5.0	10.0	19.0	273P106A631K
0.033	4.5	8.0	14.0	333P106A401K	5.5	10.5	19.0	333P106A631K
0.039	4.5	9.0	14.0	393P106A401K	6.0	11.0	19.0	393P106A631K
0.047	5.0	9.5	14.0	473P106A401K	6.0	12.0	19.0	473P106A631K
0.056	4.5	8.5	19.0	563P106A401K	6.5	12.5	19.0	563P106A631K
0.068	5.0	10.0	19.0	683P106A401K	7.0	13.0	19.0	683P106A631K
0.082	5.5	11.0	19.0	823P106A401K	6.5	12.5	26.5	823P106A631K
0.10	6.0	12.0	19.0	104P106A401K	7.0	13.0	26.5	104P106A631K
0.12	5.5	11.0	26.5	124P106A401K	7.5	13.5	26.5	124P106A631K
0.15	6.0	12.0	26.5	154P106A401K	8.0	14.5	26.5	154P106A631K
0.18	6.5	12.5	26.5	184P106A401K	7.5	13.5	32.0	184P106A631K
0.22	7.0	13.0	26.5	224P106A401K	8.0	15.0	32.0	224P106A631K
0.27	7.5	13.5	26.5	274P106A401K	9.0	16.5	32.0	274P106A631K
0.33	8.0	14.0	26.5	334P106A401K	9.5	17.5	32.0	334P106A631K
0.39	8.0	14.0	32.0	394P106A401K	10.0	19.0	32.0	394P106A631K
0.47	8.5	15.5	32.0	474P106A401K	11.0	21.0	32.0	474P106A631K
0.56	9.0	16.5	32.0	564P106A401K	10.0	19.0	45.0	564P106A631K
0.68	9.5	17.5	32.0	684P106A401K	11.0	21.0	45.0	684P106A631K
0.82	9.5	19.0	32.0	824P106A401K	12.5	22.5	45.0	824P106A631K
1.0	10.5	20.0	32.0	105P106A401K	14.0	25.0	45.0	105P106A631K
1.2	10.0	19.0	45.0	125P106A401K	16.0	27.0	45.0	125P106A631K
1.5	11.5	21.0	45.0	155P106A401K	18.0	30.0	45.0	155P106A631K
1.8	12.5	22.0	45.0	185P106A401K	16.0	27.0	58.0	185P106A631K
2.2	13.5	24.0	45.0	225P106A401K	18.0	30.0	58.0	225P106A631K
2.7	15.0	26.0	45.0	275P106A401K	20.5	33.0	58.0	275P106A631K
3.3	17.0	28.0	45.0	335P106A401K	22.5	36.0	58.0	335P106A631K
3.9	16.5	27.0	58.0	395P106A401K	25.0	40.0	58.0	395P106A631K
4.7	18.5	30.0	58.0	475P106A401K	27.0	44.0	58.0	475P106A631K
5.6	19.5	32.0	58.0	565P106A401K				
6.8	22.0	36.0	58.0	685P106A401K				
8.2	24.0	40.0	58.0	825P106A401K				
10.0	28.0	42.0	58.0	106P106A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polypropylene • Axial Round Wrap & Fill

TYPE: P108 Series



L	11.0	14.0	19.0	26.5	32.0	45.0	58.0
d	0.5	0.6	0.6	0.8	0.8	0.8	1.0

(mm)

CAP. (μ F)	160 VDC			250 VDC		
	D	L	Part No.	D	L	Part No.
0.001	5.0	11.0	102P108A161K	5.0	11.0	102P108A251K
0.0012	5.0	11.0	122P108A161K	5.0	11.0	122P108A251K
0.0015	5.0	11.0	152P108A161K	5.0	11.0	152P108A251K
0.0018	5.0	11.0	182P108A161K	5.0	11.0	182P108A251K
0.0022	5.0	11.0	222P108A161K	5.0	11.0	222P108A251K
0.0027	5.0	11.0	272P108A161K	5.0	11.0	272P108A251K
0.0033	5.0	11.0	332P108A161K	5.0	11.0	332P108A251K
0.0039	5.0	11.0	392P108A161K	5.0	11.0	392P108A251K
0.0047	5.0	11.0	472P108A161K	5.0	11.0	472P108A251K
0.0056	5.0	11.0	562P108A161K	5.0	11.0	562P108A251K
0.0068	5.0	11.0	682P108A161K	5.0	11.0	682P108A251K
0.0082	5.0	11.0	822P108A161K	5.0	11.0	822P108A251K
0.01	5.0	11.0	103P108A161K	5.0	11.0	103P108A251K
0.012	5.0	11.0	123P108A161K	5.0	11.0	123P108A251K
0.015	5.0	11.0	153P108A161K	5.0	11.0	153P108A251K
0.018	5.0	11.0	183P108A161K	5.0	11.0	183P108A251K
0.022	5.0	11.0	223P108A161K	5.0	11.0	223P108A251K
0.027	5.0	11.0	273P108A161K	5.0	14.0	273P108A251K
0.033	5.0	11.0	333P108A161K	5.5	14.0	333P108A251K
0.039	5.0	11.0	393P108A161K	6.0	14.0	393P108A251K
0.047	5.5	11.0	473P108A161K	6.5	14.0	473P108A251K
0.056	5.0	14.0	563P108A161K	7.0	14.0	563P108A251K
0.068	5.5	14.0	683P108A161K	7.5	14.0	683P108A251K
0.082	5.5	14.0	823P108A161K	6.0	19.0	823P108A251K
0.10	6.0	14.0	104P108A161K	6.5	19.0	104P108A251K
0.12	6.0	14.0	124P108A161K	7.0	19.0	124P108A251K
0.15	6.5	14.0	154P108A161K	7.5	19.0	154P108A251K
0.18	6.5	19.0	184P108A161K	8.5	19.0	184P108A251K
0.22	7.0	19.0	224P108A161K	9.0	19.0	224P108A251K
0.27	7.0	19.0	274P108A161K	8.5	26.5	274P108A251K
0.33	7.5	19.0	334P108A161K	9.0	26.5	334P108A251K
0.39	8.0	19.0	394P108A161K	9.5	26.5	394P108A251K
0.47	9.0	19.0	474P108A161K	10.0	26.5	474P108A251K
0.56	8.5	26.5	564P108A161K	11.0	26.5	564P108A251K
0.68	9.0	26.5	684P108A161K	12.0	26.5	684P108A251K
0.82	9.5	26.5	824P108A161K	11.0	32.0	824P108A251K
1.0	10.5	26.5	105P108A161K	12.0	32.0	105P108A251K
1.2	11.0	26.5	125P108A161K	13.0	32.0	125P108A251K
1.5	12.5	26.5	155P108A161K	14.5	32.0	155P108A251K
1.8	11.5	32.0	185P108A161K	15.5	32.0	185P108A251K
2.2	12.5	32.0	225P108A161K	17.0	32.0	225P108A251K
2.7	13.5	32.0	275P108A161K	15.5	45.0	275P108A251K
3.3	15.0	32.0	335P108A161K	17.0	45.0	335P108A251K
3.9	16.5	32.0	395P108A161K	18.5	45.0	395P108A251K
4.7	17.5	32.0	475P108A161K	21.0	45.0	475P108A251K
5.6	15.5	45.0	565P108A161K	23.0	45.0	565P108A251K
6.8	17.0	45.0	685P108A161K	25.0	45.0	685P108A251K
8.2	18.5	45.0	825P108A161K	24.0	58.0	825P108A251K
10.0	20.5	45.0	106P108A161K	26.0	58.0	106P108A251K
12.0	23.0	45.0	126P108A161K	28.5	58.0	126P108A251K
15.0	25.5	45.0	156P108A161K	31.5	58.0	156P108A251K
18.0	24.0	58.0	186P108A161K	34.5	58.0	186P108A251K
22.0	25.5	58.0	226P108A161K	38.0	58.0	226P108A251K

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polypropylene • Axial Round Wrap & Fill

TYPE: P108 Series

(mm)

CAP. (μF)	400 VDC			630 VDC		
	D	L	Part No.	D	L	Part No.
0.001	5.0	11.0	102P108A401K	5.0	11.0	102P108A631K
0.0012	5.0	11.0	122P108A401K	5.0	11.0	122P108A631K
0.0015	5.0	11.0	152P108A401K	5.0	11.0	152P108A631K
0.0018	5.0	11.0	182P108A401K	5.0	11.0	182P108A631K
0.0022	5.0	11.0	222P108A401K	5.0	11.0	222P108A631K
0.0027	5.0	11.0	272P108A401K	5.0	11.0	272P108A631K
0.0033	5.0	11.0	332P108A401K	5.5	11.0	332P108A631K
0.0039	5.0	11.0	392P108A401K	5.0	14.0	392P108A631K
0.0047	5.0	11.0	472P108A401K	5.0	14.0	472P108A631K
0.0056	5.0	11.0	562P108A401K	5.0	14.0	562P108A631K
0.0068	5.0	11.0	682P108A401K	5.5	14.0	682P108A631K
0.0082	5.0	11.0	822P108A401K	6.0	14.0	822P108A631K
0.01	5.0	11.0	103P108A401K	6.0	14.0	103P108A631K
0.012	5.0	14.0	123P108A401K	6.5	14.0	123P108A631K
0.015	5.5	14.0	153P108A401K	7.0	14.0	153P108A631K
0.018	5.5	14.0	183P108A401K	6.5	19.0	183P108A631K
0.022	6.0	14.0	223P108A401K	7.0	19.0	223P108A631K
0.027	6.5	14.0	273P108A401K	7.5	19.0	273P108A631K
0.033	6.5	14.0	333P108A401K	8.0	19.0	333P108A631K
0.039	7.0	14.0	393P108A401K	8.5	19.0	393P108A631K
0.047	7.5	14.0	473P108A401K	9.0	19.0	473P108A631K
0.056	6.5	19.0	563P108A401K	9.0	19.0	563P108A631K
0.068	7.5	19.0	683P108A401K	9.5	19.0	683P108A631K
0.082	8.0	19.0	823P108A401K	9.0	26.5	823P108A631K
0.10	8.5	19.0	104P108A401K	10.0	26.5	104P108A631K
0.12	8.0	26.5	124P108A401K	10.5	26.5	124P108A631K
0.15	9.0	26.5	154P108A401K	12.0	26.5	154P108A631K
0.18	9.5	26.5	184P108A401K	11.5	32.0	184P108A631K
0.22	10.0	26.5	224P108A401K	12.0	32.0	224P108A631K
0.27	11.0	26.5	274P108A401K	13.0	32.0	274P108A631K
0.33	12.0	26.5	334P108A401K	14.0	32.0	334P108A631K
0.39	11.0	32.0	394P108A401K	15.5	32.0	394P108A631K
0.47	12.0	32.0	474P108A401K	16.5	32.0	474P108A631K
0.56	13.0	32.0	564P108A401K	15.0	45.0	564P108A631K
0.68	14.0	32.0	684P108A401K	16.0	45.0	684P108A631K
0.82	15.0	32.0	824P108A401K	17.5	45.0	824P108A631K
1.0	16.0	32.0	105P108A401K	20.0	45.0	105P108A631K
1.2	15.0	45.0	125P108A401K	22.5	45.0	125P108A631K
1.5	16.5	45.0	155P108A401K	24.5	45.0	155P108A631K
1.8	18.0	45.0	185P108A401K	22.5	58.0	185P108A631K
2.2	19.5	45.0	225P108A401K	25.0	58.0	225P108A631K
2.7	21.5	45.0	275P108A401K	27.5	58.0	275P108A631K
3.3	23.5	45.0	335P108A401K	30.0	58.0	335P108A631K
3.9	23.0	58.0	395P108A401K	32.5	58.0	395P108A631K
4.7	24.5	58.0	475P108A401K	36.0	58.0	475P108A631K
5.6	26.5	58.0	565P108A401K			
6.8	29.0	58.0	685P108A401K			
8.2	32.0	58.0	825P108A401K			
10.0	35.0	58.0	106P108A401K			

*Other Values, Voltages, And Dimensions Are Available On Request



Polypropylene Film & Foil - Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
P202	Radial Box	0.0001 To 1.0	±1% To ±20%	3 - 97
P204	Radial Epoxy Dip	0.0001 To 1.0	±1% To ±20%	3 - 99
P206	Axial Oval Wrap & Fill	0.001 To 2.2	±1% To ±20%	3 - 101
P208	Axial Round Wrap & Fill	0.0001 To 1.0	±1% To ±20%	3 - 103

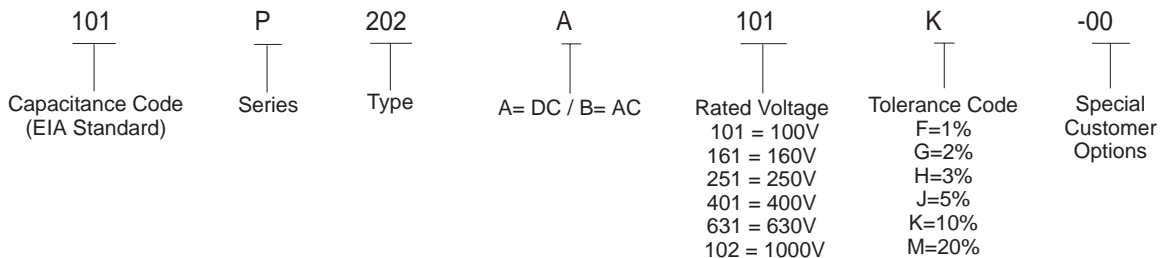
Features

- 1) Extended foil, non-inductive construction
- 2) Low DF, low ESR, and low inductance
- 3) Tight tolerance capacitors with negative temperature coefficient of capacitance
- 4) High insulation resistance and low dielectric absorption
- 5) Excellent long term stability

Applications

- 1) Filters
- 2) Timing circuits
- 3) Pulse circuits
- 4) Coupling and decoupling
- 5) Thermal compensation for ferrites
- 6) Very long term integrators
- 7) Analogue voltmeters

Part Numbering System



Specifications

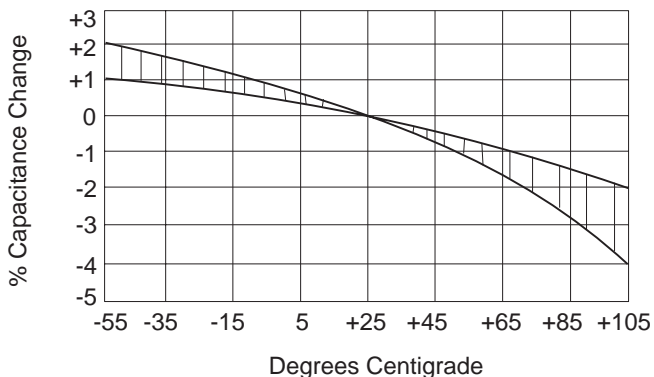
- 1) Operating Temperature Range: -55°C To +85°C with full Rated Voltage applied, to +105°C with 50% voltage derating
- 2) Dissipation Factor: 0.1% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 100VDC, 160VDC, 250VDC, 400VDC, 630VDC, 1000VDC
- 4) Dielectric Strength: 250% of rated voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at rated DC voltage or 500VDC, the minimum IR shall be ≥ 100,000 Megohms
- 6) Capacitance Change: Temperature coefficient -200 ±50PPM/°C from -55°C to +25°C, -350 ±50PPM/°C from +25°C to +105°C



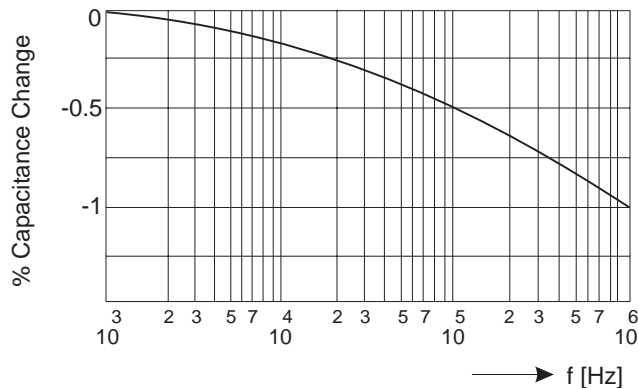
Polypropylene Film & Foil

TYPE: P202, P204, P206, P208 Series

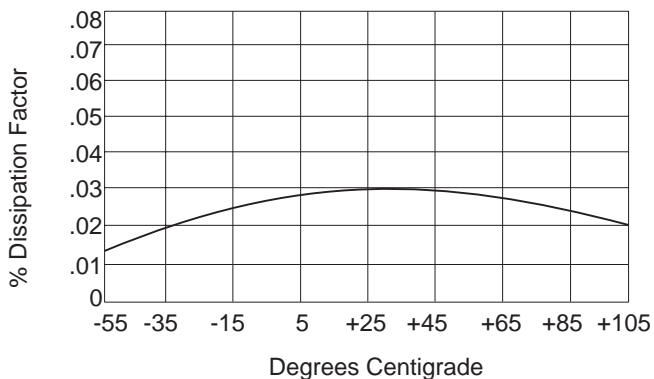
Capacitance Change vs. Temperature At 1KHz



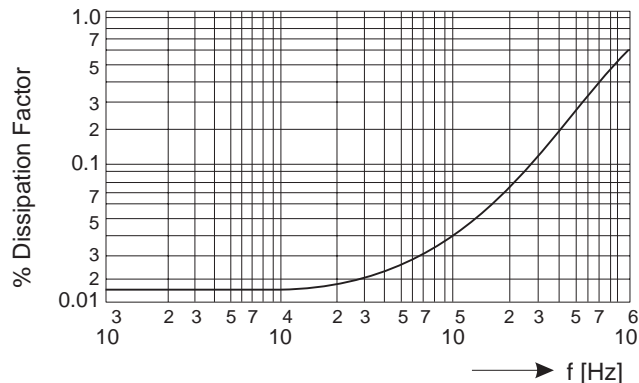
Capacitance Change vs. Frequency (Room Temp.)



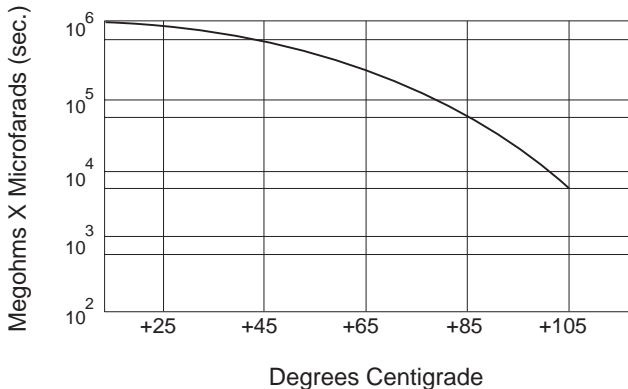
Dissipation Factor vs. Temperature At 1KHz



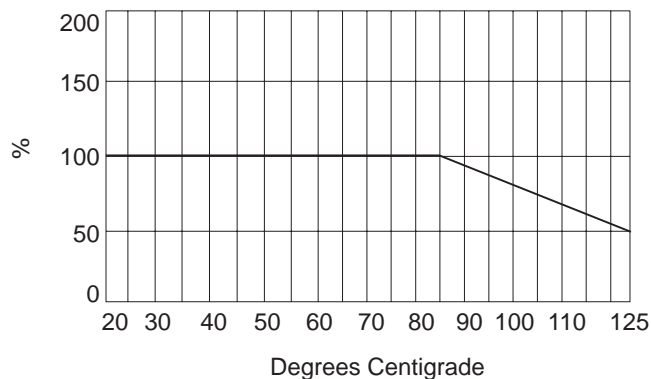
Dissipation Factor vs. Frequency (Room Temp.)



Insulation Resistance vs. Temperature



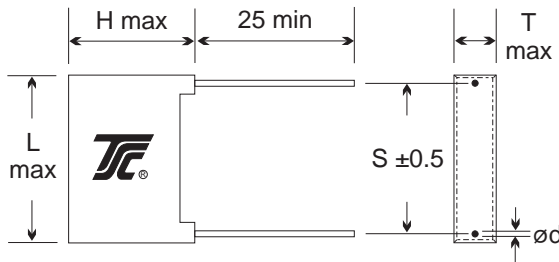
Voltage Derating vs. Temperature





Polypropylene Film & Foil - Radial Box

TYPE: P202 Series



L	10.5	13.0	18.0	26.5	32.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μ F)	100 VDC				160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	9.0	10.5	101P202A101K	4.0	9.0	10.5	101P202A161K	4.0	9.0	10.5	101P202A251K
0.00012	4.0	9.0	10.5	121P202A101K	4.0	9.0	10.5	121P202A161K	4.0	9.0	10.5	121P202A251K
0.00015	4.0	9.0	10.5	151P202A101K	4.0	9.0	10.5	151P202A161K	4.0	9.0	10.5	151P202A251K
0.00018	4.0	9.0	10.5	181P202A101K	4.0	9.0	10.5	181P202A161K	4.0	9.0	10.5	181P202A251K
0.00022	4.0	9.0	10.5	221P202A101K	4.0	9.0	10.5	221P202A161K	4.0	9.0	10.5	221P202A251K
0.00027	4.0	9.0	10.5	271P202A101K	4.0	9.0	10.5	271P202A161K	4.0	9.0	10.5	271P202A251K
0.00033	4.0	9.0	10.5	331P202A101K	4.0	9.0	10.5	331P202A161K	4.0	9.0	10.5	331P202A251K
0.00039	4.0	9.0	10.5	391P202A101K	4.0	9.0	10.5	391P202A161K	4.0	9.0	10.5	391P202A251K
0.00047	4.0	9.0	10.5	471P202A101K	4.0	9.0	10.5	471P202A161K	4.0	9.0	10.5	471P202A251K
0.00056	4.0	9.0	10.5	561P202A101K	4.0	9.0	10.5	561P202A161K	4.0	9.0	10.5	561P202A251K
0.00068	4.0	9.0	10.5	681P202A101K	4.0	9.0	10.5	681P202A161K	4.0	9.0	10.5	681P202A251K
0.00082	4.0	9.0	10.5	821P202A101K	4.0	9.0	10.5	821P202A161K	4.0	9.0	10.5	821P202A251K
0.001	4.0	9.0	10.5	102P202A101K	4.0	9.0	10.5	102P202A161K	4.0	9.0	10.5	102P202A251K
0.0012	4.0	9.0	10.5	122P202A101K	4.0	9.0	10.5	122P202A161K	4.0	9.0	10.5	122P202A251K
0.0015	4.0	9.0	10.5	152P202A101K	4.0	9.0	10.5	152P202A161K	4.0	9.0	10.5	152P202A251K
0.0018	4.0	9.0	10.5	182P202A101K	4.0	9.0	10.5	182P202A161K	4.0	9.0	10.5	182P202A251K
0.0022	4.0	9.0	10.5	222P202A101K	4.0	9.0	10.5	222P202A161K	4.0	9.0	10.5	222P202A251K
0.0027	4.0	9.0	10.5	272P202A101K	4.0	9.0	10.5	272P202A161K	4.0	9.0	10.5	272P202A251K
0.0033	4.0	9.0	10.5	332P202A101K	4.0	9.0	10.5	332P202A161K	4.0	9.0	10.5	332P202A251K
0.0039	4.0	9.0	10.5	392P202A101K	4.0	9.0	10.5	392P202A161K	4.0	9.0	10.5	392P202A251K
0.0047	4.0	9.0	10.5	472P202A101K	4.0	9.0	10.5	472P202A161K	4.0	9.0	10.5	472P202A251K
0.0056	4.0	9.0	10.5	562P202A101K	4.0	9.0	10.5	562P202A161K	4.0	9.0	10.5	562P202A251K
0.0068	4.0	9.0	10.5	682P202A101K	4.0	9.0	10.5	682P202A161K	4.0	9.0	10.5	682P202A251K
0.0082	4.0	9.0	10.5	822P202A101K	4.0	9.0	10.5	822P202A161K	4.0	9.0	13.0	822P202A251K
0.01	4.0	9.0	10.5	103P202A101K	4.0	9.0	10.5	103P202A161K	5.0	11.0	13.0	103P202A251K
0.012	4.0	9.0	10.5	123P202A101K	4.0	9.0	13.0	123P202A161K	5.0	11.0	13.0	123P202A251K
0.015	4.0	9.0	10.5	153P202A101K	4.0	9.0	13.0	153P202A161K	6.0	12.0	13.0	153P202A251K
0.018	4.0	9.0	13.0	183P202A101K	5.0	11.0	13.0	183P202A161K	6.0	12.0	13.0	183P202A251K
0.022	4.0	9.0	13.0	223P202A101K	5.0	11.0	13.0	223P202A161K	6.0	12.0	13.0	223P202A251K
0.027	5.0	11.0	13.0	273P202A101K	6.0	12.0	13.0	273P202A161K	5.0	11.0	18.0	273P202A251K
0.033	5.0	11.0	13.0	333P202A101K	6.0	12.0	13.0	333P202A161K	5.0	11.0	18.0	333P202A251K
0.039	6.0	12.0	13.0	393P202A101K	5.0	11.0	18.0	393P202A161K	6.0	12.0	18.0	393P202A251K
0.047	6.0	12.0	13.0	473P202A101K	5.0	11.0	18.0	473P202A161K	6.0	12.0	18.0	473P202A251K
0.056	5.0	11.0	18.0	563P202A101K	6.0	12.0	18.0	563P202A161K	7.5	13.5	18.0	563P202A251K
0.068	5.0	11.0	18.0	683P202A101K	6.0	12.0	18.0	683P202A161K	7.5	13.5	18.0	683P202A251K
0.082	6.0	12.0	18.0	823P202A101K	7.5	13.5	18.0	823P202A161K	7.0	16.5	26.5	823P202A251K
0.10	6.0	12.0	18.0	104P202A101K	8.5	15.0	18.0	104P202A161K	7.0	16.5	26.5	104P202A251K
0.12	7.5	13.5	18.0	124P202A101K	7.0	16.5	26.5	124P202A161K	8.5	17.0	26.5	124P202A251K
0.15	7.5	13.5	18.0	154P202A101K	7.0	16.5	26.5	154P202A161K	8.5	17.0	26.5	154P202A251K
0.18	7.5	13.5	18.0	184P202A101K	8.5	17.0	26.5	184P202A161K	10.0	19.0	26.5	184P202A251K
0.22	8.5	15.0	18.0	224P202A101K	8.5	17.0	26.5	224P202A161K	10.0	19.0	26.5	224P202A251K
0.27	8.5	17.0	26.5	274P202A101K	10.0	19.0	26.5	274P202A161K	11.0	20.0	32.0	274P202A251K
0.33	8.5	17.0	26.5	334P202A101K	10.0	19.0	26.5	334P202A161K	13.0	22.0	32.0	334P202A251K
0.39	10.0	19.0	26.5	394P202A101K	11.0	20.0	32.0	394P202A161K	13.0	22.0	32.0	394P202A251K
0.47	10.0	19.0	26.5	474P202A101K	13.0	22.0	32.0	474P202A161K	15.0	25.0	32.0	474P202A251K
0.56	11.0	20.0	32.0	564P202A101K	13.0	22.0	32.0	564P202A161K				
0.68	11.0	20.0	32.0	684P202A101K	15.0	25.0	32.0	684P202A161K				
0.82	13.0	22.0	32.0	824P202A101K	18.0	30.0	32.0	824P202A161K				
1.0	15.0	25.0	32.0	105P202A101K	18.0	30.0	32.0	105P202A161K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polypropylene Film & Foil • Radial Box

TYPE: P202 Series

(mm)

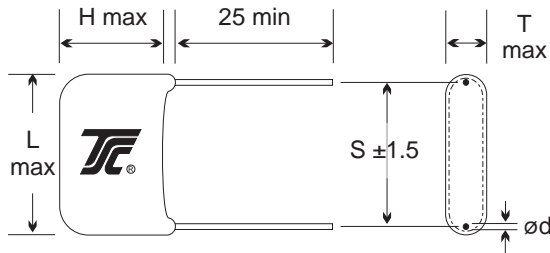
CAP. (μF)	400 VDC				630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	9.0	10.5	101P202A401K								
0.00012	4.0	9.0	10.5	121P202A401K								
0.00015	4.0	9.0	10.5	151P202A401K								
0.00018	4.0	9.0	10.5	181P202A401K								
0.00022	4.0	9.0	10.5	221P202A401K								
0.00027	4.0	9.0	10.5	271P202A401K								
0.00033	4.0	9.0	10.5	331P202A401K								
0.00039	4.0	9.0	10.5	391P202A401K								
0.00047	4.0	9.0	10.5	471P202A401K								
0.00056	4.0	9.0	10.5	561P202A401K								
0.00068	4.0	9.0	10.5	681P202A401K								
0.00082	4.0	9.0	10.5	821P202A401K								
0.001	4.0	9.0	10.5	102P202A401K	4.0	9.0	10.5	102P202A631K	4.0	9.0	13.0	102P202A102K
0.0012	4.0	9.0	10.5	122P202A401K	4.0	9.0	10.5	122P202A631K	4.0	9.0	13.0	122P202A102K
0.0015	4.0	9.0	10.5	152P202A401K	4.0	9.0	10.5	152P202A631K	5.0	11.0	13.0	152P202A102K
0.0018	4.0	9.0	10.5	182P202A401K	4.0	9.0	13.0	182P202A631K	5.0	11.0	13.0	182P202A102K
0.0022	4.0	9.0	10.5	222P202A401K	4.0	9.0	13.0	222P202A631K	6.0	12.0	13.0	222P202A102K
0.0027	4.0	9.0	10.5	272P202A401K	5.0	11.0	13.0	272P202A631K	5.0	11.0	18.0	272P202A102K
0.0033	4.0	9.0	10.5	332P202A401K	5.0	11.0	13.0	332P202A631K	5.0	11.0	18.0	332P202A102K
0.0039	4.0	9.0	13.0	392P202A401K	6.0	12.0	13.0	392P202A631K	5.0	11.0	18.0	392P202A102K
0.0047	4.0	9.0	13.0	472P202A401K	6.0	12.0	13.0	472P202A631K	6.0	12.0	18.0	472P202A102K
0.0056	5.0	11.0	13.0	562P202A401K	5.0	11.0	18.0	562P202A631K	6.0	12.0	18.0	562P202A102K
0.0068	5.0	11.0	13.0	682P202A401K	5.0	11.0	18.0	682P202A631K	6.0	12.0	18.0	682P202A102K
0.0082	6.0	12.0	13.0	822P202A401K	5.0	11.0	18.0	822P202A631K	7.5	13.5	18.0	822P202A102K
0.01	6.0	12.0	13.0	103P202A401K	6.0	12.0	18.0	103P202A631K	8.5	15.0	18.0	103P202A102K
0.012	5.0	11.0	18.0	123P202A401K	6.0	12.0	18.0	123P202A631K	7.0	16.5	26.5	123P202A102K
0.015	5.0	11.0	18.0	153P202A401K	6.0	12.0	18.0	153P202A631K	7.0	16.5	26.5	153P202A102K
0.018	6.0	12.0	18.0	183P202A401K	7.5	13.5	18.0	183P202A631K	8.5	17.0	26.5	183P202A102K
0.022	6.0	12.0	18.0	223P202A401K	7.5	13.5	18.0	223P202A631K	8.5	17.0	26.5	223P202A102K
0.027	7.5	13.5	18.0	273P202A401K	7.0	16.5	26.5	273P202A631K	10.0	19.0	26.5	273P202A102K
0.033	7.5	13.5	18.0	333P202A401K	7.0	16.5	26.5	333P202A631K	10.0	19.0	26.5	333P202A102K
0.039	7.0	16.5	26.5	393P202A401K	8.5	17.0	26.5	393P202A631K	11.0	20.0	32.0	393P202A102K
0.047	7.0	16.5	26.5	473P202A401K	8.5	17.0	26.5	473P202A631K	13.0	22.0	32.0	473P202A102K
0.056	8.5	17.0	26.5	563P202A401K	10.0	19.0	26.5	563P202A631K	13.0	22.0	32.0	563P202A102K
0.068	8.5	17.0	26.5	683P202A401K	10.0	19.0	26.5	683P202A631K	15.0	25.0	32.0	683P202A102K
0.082	10.0	19.0	26.5	823P202A401K	11.0	20.0	32.0	823P202A631K	15.0	25.0	32.0	823P202A102K
0.10	10.0	19.0	26.5	104P202A401K	13.0	22.0	32.0	104P202A631K	18.0	30.0	32.0	104P202A102K
0.12	11.0	20.0	32.0	124P202A401K	13.0	22.0	32.0	124P202A631K				
0.15	13.0	22.0	32.0	154P202A401K	15.0	25.0	32.0	154P202A631K				
0.18	13.0	22.0	32.0	184P202A401K	18.0	30.0	32.0	184P202A631K				
0.22	15.0	25.0	32.0	224P202A401K	18.0	30.0	32.0	224P202A631K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polypropylene Film & Foil • Radial Epoxy Dipped

TYPE: P204 Series



L	10.5	13.0	18.5	26.0	31.0	36.0	44.0
S	7.5	10.0	15.0	22.5	27.5	32.0	38.0
d	0.6	0.6	0.8	0.8	0.8	0.8	0.8

(mm)

CAP. (μ F)	100 VDC				160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	8.0	10.5	101P204A101K	4.0	8.0	10.5	101P204A161K	4.0	8.0	10.5	101P204A251K
0.00012	4.0	8.0	10.5	121P204A101K	4.0	8.0	10.5	121P204A161K	4.0	8.0	10.5	121P204A251K
0.00015	4.0	8.0	10.5	151P204A101K	4.0	8.0	10.5	151P204A161K	4.0	8.0	10.5	151P204A251K
0.00018	4.0	8.0	10.5	181P204A101K	4.0	8.0	10.5	181P204A161K	4.0	8.0	10.5	181P204A251K
0.00022	4.0	8.0	10.5	221P204A101K	4.0	8.0	10.5	221P204A161K	4.0	8.0	10.5	221P204A251K
0.00027	4.0	8.0	10.5	271P204A101K	4.0	8.0	10.5	271P204A161K	4.0	8.0	10.5	271P204A251K
0.00033	4.0	8.0	10.5	331P204A101K	4.0	8.0	10.5	331P204A161K	4.0	8.0	10.5	331P204A251K
0.00039	4.0	8.0	10.5	391P204A101K	4.0	8.0	10.5	391P204A161K	4.0	8.0	10.5	391P204A251K
0.00047	4.0	8.0	10.5	471P204A101K	4.0	8.0	10.5	471P204A161K	4.0	8.0	10.5	471P204A251K
0.00056	4.0	8.0	10.5	561P204A101K	4.0	8.0	10.5	561P204A161K	4.0	8.0	10.5	561P204A251K
0.00068	4.0	8.0	10.5	681P204A101K	4.0	8.0	10.5	681P204A161K	4.0	8.0	10.5	681P204A251K
0.00082	4.0	8.0	10.5	821P204A101K	4.0	8.0	10.5	821P204A161K	4.0	8.0	10.5	821P204A251K
0.001	4.0	8.0	10.5	102P204A101K	4.0	8.0	10.5	102P204A161K	4.0	8.0	10.5	102P204A251K
0.0012	4.0	8.0	10.5	122P204A101K	4.0	8.0	10.5	122P204A161K	4.0	8.0	10.5	122P204A251K
0.0015	4.0	8.0	10.5	152P204A101K	4.0	8.0	10.5	152P204A161K	4.0	8.0	10.5	152P204A251K
0.0018	4.0	8.0	10.5	182P204A101K	4.0	8.0	10.5	182P204A161K	4.0	8.0	10.5	182P204A251K
0.0022	4.0	8.0	10.5	222P204A101K	4.0	8.0	10.5	222P204A161K	4.0	8.0	10.5	222P204A251K
0.0027	4.0	8.0	10.5	272P204A101K	4.0	8.0	10.5	272P204A161K	4.0	8.0	10.5	272P204A251K
0.0033	4.0	8.0	10.5	332P204A101K	4.0	8.0	10.5	332P204A161K	4.0	8.0	10.5	332P204A251K
0.0039	4.0	8.0	10.5	392P204A101K	4.0	8.0	10.5	392P204A161K	4.0	8.0	10.5	392P204A251K
0.0047	4.0	8.0	10.5	472P204A101K	4.0	8.0	10.5	472P204A161K	4.0	8.5	10.5	472P204A251K
0.0056	4.0	8.0	10.5	562P204A101K	4.0	8.0	10.5	562P204A161K	4.5	9.0	10.5	562P204A251K
0.0068	4.0	8.0	10.5	682P204A101K	4.0	8.5	10.5	682P204A161K	4.5	9.5	10.5	682P204A251K
0.0082	4.0	8.0	10.5	822P204A101K	4.0	9.0	10.5	822P204A161K	4.5	9.0	13.0	822P204A251K
0.01	4.0	8.5	10.5	103P204A101K	4.5	9.0	10.5	103P204A161K	5.0	10.0	13.0	103P204A251K
0.012	4.5	8.5	10.5	123P204A101K	4.5	9.0	13.0	123P204A161K	5.5	11.0	13.0	123P204A251K
0.015	4.5	9.0	10.5	153P204A101K	5.0	9.0	13.0	153P204A161K	6.0	12.0	13.0	153P204A251K
0.018	4.0	8.5	13.0	183P204A101K	5.0	10.0	13.0	183P204A161K	6.5	12.0	13.0	183P204A251K
0.022	4.5	9.0	13.0	223P204A101K	5.5	11.0	13.0	223P204A161K	6.5	12.5	13.0	223P204A251K
0.027	5.0	9.0	13.0	273P204A101K	6.0	12.0	13.0	273P204A161K	5.5	11.0	18.5	273P204A251K
0.033	5.0	10.0	13.0	333P204A101K	6.5	12.5	13.0	333P204A161K	6.0	12.0	18.5	333P204A251K
0.039	5.5	11.0	13.0	393P204A101K	5.5	11.0	18.5	393P204A161K	6.5	12.5	18.5	393P204A251K
0.047	6.0	12.0	13.0	473P204A101K	6.0	12.0	18.5	473P204A161K	7.0	13.0	18.5	473P204A251K
0.056	5.0	10.0	18.5	563P204A101K	6.5	12.5	18.5	563P204A161K	7.5	13.5	18.5	563P204A251K
0.068	5.5	11.0	18.5	683P204A101K	7.0	13.0	18.5	683P204A161K	8.0	14.0	18.5	683P204A251K
0.082	6.0	12.0	18.5	823P204A101K	7.5	13.5	18.5	823P204A161K	7.5	13.5	26.0	823P204A251K
0.10	6.5	12.5	18.5	104P204A101K	8.0	14.0	18.5	104P204A161K	8.0	14.0	26.0	104P204A251K
0.12	7.0	13.0	18.5	124P204A101K	7.5	13.5	26.0	124P204A161K	8.5	15.0	26.0	124P204A251K
0.15	8.0	14.0	18.5	154P204A101K	8.0	14.0	26.0	154P204A161K	9.0	16.5	26.0	154P204A251K
0.18	8.5	15.0	18.5	184P204A101K	8.5	15.0	26.0	184P204A161K	9.5	18.0	26.0	184P204A251K
0.22	9.0	16.5	18.5	224P204A101K	9.0	16.5	26.0	224P204A161K	10.5	20.0	26.0	224P204A251K
0.27	8.5	15.0	26.0	274P204A101K	10.0	19.0	26.0	274P204A161K	10.0	19.0	31.0	274P204A251K
0.33	9.0	16.5	26.0	334P204A101K	10.5	20.0	26.0	334P204A161K	11.5	21.0	31.0	334P204A251K
0.39	9.5	17.0	26.0	394P204A101K	10.5	20.0	31.0	394P204A161K	12.5	22.0	31.0	394P204A251K
0.47	10.0	20.0	26.0	474P204A101K	11.5	21.0	31.0	474P204A161K	13.5	24.0	31.0	474P204A251K
0.56	9.5	18.0	31.0	564P204A101K	12.5	22.0	31.0	564P204A161K	13.5	24.0	36.0	564P204A251K
0.68	10.5	20.0	31.0	684P204A101K	13.5	24.0	31.0	684P204A161K	15.5	28.0	36.0	684P204A251K
0.82	11.5	21.0	31.0	824P204A101K	14.5	26.0	31.0	824P204A161K	14.0	25.0	44.0	824P204A251K
1.0	13.0	24.0	31.0	105P204A101K	16.5	30.0	31.0	105P204A161K	16.0	28.0	44.0	105P204A251K

*Other Values, Voltages, And Dimensions Are Available On Request



Polypropylene Film & Foil - Radial Epoxy Dipped

TYPE: P204 Series

(mm)

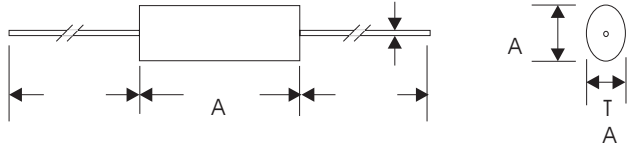
CAP. (μF)	400 VDC				630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	8.0	10.5	101P204A401K								
0.00012	4.0	8.0	10.5	121P204A401K								
0.00015	4.0	8.0	10.5	151P204A401K								
0.00018	4.0	8.0	10.5	181P204A401K								
0.00022	4.0	8.0	10.5	221P204A401K								
0.00027	4.0	8.0	10.5	271P204A401K								
0.00033	4.0	8.0	10.5	331P204A401K								
0.00039	4.0	8.0	10.5	391P204A401K								
0.00047	4.0	8.0	10.5	471P204A401K								
0.00056	4.0	8.0	10.5	561P204A401K								
0.00068	4.0	8.0	10.5	681P204A401K								
0.00082	4.0	8.0	10.5	821P204A401K								
0.001	4.0	8.0	10.5	102P204A401K	4.5	8.5	10.5	102P204A631K	5.0	10.0	13.0	102P204A102K
0.0012	4.0	8.0	10.5	122P204A401K	4.5	8.5	10.5	122P204A631K	5.0	10.0	13.0	122P204A102K
0.0015	4.0	8.0	10.5	152P204A401K	4.5	9.0	10.5	152P204A631K	5.5	11.0	13.0	152P204A102K
0.0018	4.0	8.0	10.5	182P204A401K	4.5	9.5	13.0	182P204A631K	5.5	11.0	13.0	182P204A102K
0.0022	4.0	8.5	10.5	222P204A401K	5.0	9.5	13.0	222P204A631K	6.0	12.0	13.0	222P204A102K
0.0027	4.0	9.0	10.5	272P204A401K	5.0	10.0	13.0	272P204A631K	5.0	9.5	18.5	272P204A102K
0.0033	4.5	9.0	10.5	332P204A401K	5.5	11.0	13.0	332P204A631K	5.0	10.0	18.5	332P204A102K
0.0039	4.5	9.0	13.0	392P204A401K	6.0	12.0	13.0	392P204A631K	5.5	11.0	18.5	392P204A102K
0.0047	5.0	9.5	13.0	472P204A401K	6.5	12.5	13.0	472P204A631K	6.0	12.0	18.5	472P204A102K
0.0056	5.0	10.0	13.0	562P204A401K	5.0	9.5	18.5	562P204A631K	6.5	12.5	18.5	562P204A102K
0.0068	5.5	11.0	13.0	682P204A401K	5.0	10.0	18.5	682P204A631K	7.0	13.0	18.5	682P204A102K
0.0082	6.0	12.0	13.0	822P204A401K	5.5	11.0	18.5	822P204A631K	7.5	14.0	18.5	822P204A102K
0.01	6.5	12.5	13.0	103P204A401K	6.0	12.0	18.5	103P204A631K	9.5	17.0	18.5	103P204A102K
0.012	5.0	10.0	18.5	123P204A401K	6.5	12.5	18.5	123P204A631K	7.5	14.0	26.0	123P204A102K
0.015	5.5	11.0	18.5	153P204A401K	7.0	13.0	18.5	153P204A631K	8.5	15.0	26.0	153P204A102K
0.018	6.0	12.0	18.5	183P204A401K	7.5	13.5	18.5	183P204A631K	8.5	16.0	26.0	183P204A102K
0.022	6.5	12.5	18.5	223P204A401K	8.0	14.0	18.5	223P204A631K	9.0	17.0	26.0	223P204A102K
0.027	7.5	14.0	18.5	273P204A401K	7.5	14.0	26.0	273P204A631K	9.5	18.0	26.0	273P204A102K
0.033	8.5	15.0	18.5	333P204A401K	8.0	15.0	26.0	333P204A631K	10.0	19.0	26.0	333P204A102K
0.039	7.0	13.0	26.0	393P204A401K	8.5	16.0	26.0	393P204A631K	10.0	19.0	31.0	393P204A102K
0.047	7.5	14.0	26.0	473P204A401K	9.0	17.0	26.0	473P204A631K	11.0	20.0	31.0	473P204A102K
0.056	8.0	15.0	26.0	563P204A401K	9.5	18.0	26.0	563P204A631K	12.0	22.0	31.0	563P204A102K
0.068	8.5	16.0	26.0	683P204A401K	10.0	19.0	26.0	683P204A631K	13.0	24.0	31.0	683P204A102K
0.082	9.5	17.0	26.0	823P204A401K	10.0	19.0	31.0	823P204A631K	13.5	25.0	31.0	823P204A102K
0.10	10.0	19.0	26.0	104P204A401K	10.5	20.0	31.0	104P204A631K	15.0	27.0	31.0	104P204A102K
0.12	10.0	19.0	31.0	124P204A401K	12.0	22.0	31.0	124P204A631K	13.5	25.0	44.0	124P204A102K
0.15	10.5	20.0	31.0	154P204A401K	13.0	24.0	31.0	154P204A631K	15.0	27.0	44.0	154P204A102K
0.18	11.5	21.0	31.0	184P204A401K	14.5	26.0	31.0	184P204A631K	16.5	30.0	44.0	184P204A102K
0.22	13.0	23.0	31.0	224P204A401K	16.5	30.0	31.0	224P204A631K	18.0	34.0	44.0	224P204A102K
0.27	13.0	23.0	36.0	274P204A401K	14.0	25.5	44.0	274P204A631K				
0.33	14.0	25.0	36.0	334P204A401K	16.0	28.0	44.0	334P204A631K				
0.39	13.5	24.0	44.0	394P204A401K	17.0	32.0	44.0	394P204A631K				
0.47	15.0	27.0	44.0	474P204A401K	18.0	34.0	44.0	474P204A631K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polypropylene Film & Foil - Axial Oval Wrap & Fill

TYPE: P206 Series



L	11.0	14.0	19.0	26.5	32.0	38.0	45.0	58.0
d	0.5	0.6	0.6	0.8	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	100 VDC				160 VDC				250 VDC			
	T	H	L	Part No.6	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102P206A101K	3.5	6.0	11.0	102P206A161K	3.5	6.0	11.0	102P206A251K
0.0012	3.5	6.0	11.0	122P206A101K	3.5	6.0	11.0	122P206A161K	3.5	6.0	11.0	122P206A251K
0.0015	3.5	6.0	11.0	152P206A101K	3.5	6.0	11.0	152P206A161K	3.5	6.0	11.0	152P206A251K
0.0018	3.5	6.0	11.0	182P206A101K	3.5	6.0	11.0	182P206A161K	3.5	6.0	11.0	182P206A251K
0.0022	3.5	6.0	11.0	222P206A101K	3.5	6.0	11.0	222P206A161K	3.5	6.0	11.0	222P206A251K
0.0027	3.5	6.0	11.0	272P206A101K	3.5	6.0	11.0	272P206A161K	3.5	6.0	11.0	272P206A251K
0.0033	3.5	6.0	11.0	332P206A101K	3.5	6.0	11.0	332P206A161K	3.5	6.0	11.0	332P206A251K
0.0039	3.5	6.0	11.0	392P206A101K	3.5	6.0	11.0	392P206A161K	3.5	6.0	11.0	392P206A251K
0.0047	3.5	6.0	11.0	472P206A101K	3.5	6.0	11.0	472P206A161K	3.5	6.0	11.0	472P206A251K
0.0056	3.5	6.0	11.0	562P206A101K	3.5	6.0	11.0	562P206A161K	3.5	6.5	11.0	562P206A251K
0.0068	3.5	6.0	11.0	682P206A101K	3.5	6.0	11.0	682P206A161K	3.5	6.5	11.0	682P206A251K
0.0082	3.5	6.0	11.0	822P206A101K	3.5	6.0	11.0	822P206A161K	3.5	6.5	14.0	822P206A251K
0.01	3.5	6.0	11.0	103P206A101K	3.5	6.5	11.0	103P206A161K	4.0	7.5	14.0	103P206A251K
0.012	3.5	6.0	11.0	123P206A101K	3.5	6.5	14.0	123P206A161K	4.5	8.0	14.0	123P206A251K
0.015	3.5	6.0	11.0	153P206A101K	4.0	7.0	14.0	153P206A161K	5.0	8.5	14.0	153P206A251K
0.018	3.5	6.0	14.0	183P206A101K	4.0	7.5	14.0	183P206A161K	4.0	7.5	19.0	183P206A251K
0.022	3.5	6.5	14.0	223P206A101K	4.5	8.0	14.0	223P206A161K	4.0	7.5	19.0	223P206A251K
0.027	4.0	7.5	14.0	273P206A101K	3.5	6.5	19.0	273P206A161K	4.5	8.0	19.0	273P206A251K
0.033	4.5	8.0	14.0	333P206A101K	4.0	7.5	19.0	333P206A161K	5.0	9.0	19.0	333P206A251K
0.039	4.5	8.5	14.0	393P206A101K	4.5	8.5	19.0	393P206A161K	5.0	10.0	19.0	393P206A251K
0.047	5.0	9.0	14.0	473P206A101K	5.0	9.0	19.0	473P206A161K	5.5	11.0	19.0	473P206A251K
0.056	4.0	7.5	19.0	563P206A101K	5.0	10.0	19.0	563P206A161K	6.0	11.5	19.0	563P206A251K
0.068	4.5	8.0	19.0	683P206A101K	5.5	11.0	19.0	683P206A161K	6.0	12.0	19.0	683P206A251K
0.082	5.0	9.0	19.0	823P206A101K	6.5	11.5	19.0	823P206A161K	5.5	11.0	26.5	823P206A251K
0.10	5.0	10.0	19.0	104P206A101K	6.5	12.0	19.0	104P206A161K	6.0	12.0	26.5	104P206A251K
0.12	5.5	11.0	19.0	124P206A101K	6.0	11.0	26.5	124P206A161K	7.0	13.0	26.5	124P206A251K
0.15	6.0	12.0	19.0	154P206A101K	6.5	12.0	26.5	154P206A161K	7.5	13.5	26.5	154P206A251K
0.18	5.5	11.0	26.5	184P206A101K	7.0	13.0	26.5	184P206A161K	8.0	14.0	26.5	184P206A251K
0.22	6.0	12.0	26.5	224P206A101K	7.5	13.5	26.5	224P206A161K	9.0	16.5	26.5	224P206A251K
0.27	7.0	13.0	26.5	274P206A101K	8.5	15.0	26.5	274P206A161K	8.5	16.0	32.0	274P206A251K
0.33	7.5	13.5	26.5	334P206A101K	9.0	16.5	26.5	334P206A161K	9.0	17.0	32.0	334P206A251K
0.39	8.0	14.5	26.5	394P206A101K	9.0	16.5	32.0	394P206A161K	9.5	18.0	32.0	394P206A251K
0.47	9.0	16.0	26.5	474P206A101K	9.5	17.5	32.0	474P206A161K	10.5	20.0	32.0	474P206A251K
0.56	8.0	14.5	32.0	564P206A101K	10.0	19.0	32.0	564P206A161K	11.0	21.0	38.0	564P206A251K
0.68	9.0	16.0	32.0	684P206A101K	10.5	20.0	32.0	684P206A161K	13.0	23.0	38.0	684P206A251K
0.82	9.5	18.0	32.0	824P206A101K	10.5	20.0	38.0	824P206A161K	11.5	21.0	45.0	824P206A251K
1.0	10.0	19.0	32.0	105P206A101K	12.5	22.5	38.0	105P206A161K	13.0	23.0	45.0	105P206A251K
1.2	11.5	21.0	32.0	125P206A101K	11.5	21.0	45.0	125P206A161K				
1.5	13.0	23.0	32.0	155P206A101K	13.0	23.0	45.0	155P206A161K				
1.8	14.0	25.0	32.0	185P206A101K	14.0	25.0	45.0	185P206A161K				
2.2	15.5	26.0	32.0	225P206A101K	16.5	28.0	45.0	225P206A161K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polypropylene Film & Foil - Axial Oval Wrap & Fill

TYPE: P206 Series

(mm)

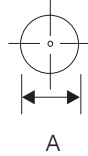
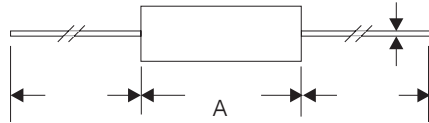
CAP. (µF)	400 VDC				630 VDC				1000 VDC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.0	11.0	102P206A401K	3.5	6.5	11.0	102P206A631K	3.5	6.5	14.0	102P206A102K
0.0012	3.5	6.0	11.0	122P206A401K	3.5	6.5	11.0	122P206A631K	3.5	6.5	14.0	122P206A102K
0.0015	3.5	6.0	11.0	152P206A401K	3.5	6.5	11.0	152P206A631K	4.0	7.0	14.0	152P206A102K
0.0018	3.5	6.0	11.0	182P206A401K	3.5	6.0	14.0	182P206A631K	4.5	8.0	14.0	182P206A102K
0.0022	3.5	6.0	11.0	222P206A401K	3.5	6.5	14.0	222P206A631K	5.0	9.0	14.0	222P206A102K
0.0027	3.5	6.0	11.0	272P206A401K	4.0	7.0	14.0	272P206A631K	4.0	7.0	19.0	272P206A102K
0.0033	3.5	6.5	11.0	332P206A401K	4.0	8.0	14.0	332P206A631K	4.0	7.5	19.0	332P206A102K
0.0039	3.5	6.0	14.0	392P206A401K	4.5	8.5	14.0	392P206A631K	4.5	8.0	19.0	392P206A102K
0.0047	3.5	6.5	14.0	472P206A401K	5.0	9.0	14.0	472P206A631K	5.0	9.0	19.0	472P206A102K
0.0056	4.0	7.0	14.0	562P206A401K	3.5	6.5	19.0	562P206A631K	5.0	10.0	19.0	562P206A102K
0.0068	4.5	8.0	14.0	682P206A401K	4.0	7.5	19.0	682P206A631K	5.5	10.5	19.0	682P206A102K
0.0082	5.0	9.0	14.0	822P206A401K	4.5	8.0	19.0	822P206A631K	5.0	10.0	26.5	822P206A102K
0.01	5.0	9.5	14.0	103P206A401K	5.0	9.0	19.0	103P206A631K	5.5	10.5	26.5	103P206A102K
0.012	4.0	7.5	19.0	123P206A401K	5.0	9.5	19.0	123P206A631K	6.0	11.5	26.5	123P206A102K
0.015	4.5	8.0	19.0	153P206A401K	5.5	10.5	19.0	153P206A631K	6.5	12.0	26.5	153P206A102K
0.018	5.0	9.0	19.0	183P206A401K	6.0	11.0	19.0	183P206A631K	7.0	13.0	26.5	183P206A102K
0.022	5.0	10.0	19.0	223P206A401K	6.0	12.0	19.0	223P206A631K	7.5	13.5	26.5	223P206A102K
0.027	5.5	11.0	19.0	273P206A401K	5.5	11.0	26.5	273P206A631K	8.0	15.0	26.5	273P206A102K
0.033	6.0	12.0	19.0	333P206A401K	6.0	12.0	26.5	333P206A631K	9.0	16.5	26.5	333P206A102K
0.039	5.5	11.0	26.5	393P206A401K	6.5	12.5	26.5	393P206A631K	8.5	16.0	32.0	393P206A102K
0.047	6.0	12.0	26.5	473P206A401K	7.5	13.5	26.5	473P206A631K	9.0	16.5	32.0	473P206A102K
0.056	6.5	12.5	26.5	563P206A401K	8.0	14.5	26.5	563P206A631K	9.5	18.0	32.0	563P206A102K
0.068	7.0	13.0	26.5	683P206A401K	8.5	16.0	26.5	683P206A631K	10.0	19.0	32.0	683P206A102K
0.082	8.0	14.0	26.5	823P206A401K	8.0	15.0	32.0	823P206A631K	9.5	18.0	38.0	823P206A102K
0.10	8.5	15.0	26.5	104P206A401K	9.0	16.5	32.0	104P206A631K	10.0	19.0	38.0	104P206A102K
0.12	8.5	15.0	32.0	124P206A401K	9.5	18.0	32.0	124P206A631K	11.0	21.0	45.0	124P206A102K
0.15	9.0	16.5	32.0	154P206A401K	10.5	20.0	32.0	154P206A631K	12.5	22.5	45.0	154P206A102K
0.18	9.5	17.5	32.0	184P206A401K	10.5	20.0	38.0	184P206A631K	13.5	24.0	45.0	184P206A102K
0.22	10.0	19.0	32.0	224P206A401K	12.0	22.0	38.0	224P206A631K	15.0	26.0	45.0	224P206A102K
0.27	10.5	20.0	38.0	274P206A401K	11.5	21.0	45.0	274P206A631K	14.5	25.0	58.0	274P206A102K
0.33	11.5	21.0	38.0	334P206A401K	13.0	24.0	45.0	334P206A631K	16.5	28.0	58.0	334P206A102K
0.39	11.5	21.0	45.0	394P206A401K	14.0	25.0	45.0	394P206A631K	18.0	30.0	58.0	394P206A102K
0.47	12.0	22.0	45.0	474P206A401K	16.0	27.0	45.0	474P206A631K	20.0	34.0	58.0	474P206A102K
0.56	13.0	24.0	45.0	564P206A401K								
0.68	15.0	26.0	45.0	684P206A401K								
0.82	14.0	24.0	58.0	824P206A401K								
1.0	16.0	27.0	58.0	105P206A401K								

*Other Values, Voltages, And Dimensions Are Available On Request



Polypropylene Film & Foil ▪ Axial Round Wrap & Fill

TYPE: P208 Series



L	11.0	14.0	19.0	26.5	32.0	38.0	45.0	58.0
d	0.5	0.6	0.6	0.8	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	100 VDC			160 VDC			250 VDC		
	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.0001	4.5	11.0	101P208A101K	4.5	11.0	101P208A161K	4.5	11.0	101P208A251K
0.00012	4.5	11.0	121P208A101K	4.5	11.0	121P208A161K	4.5	11.0	121P208A251K
0.00015	4.5	11.0	151P208A101K	4.5	11.0	151P208A161K	4.5	11.0	151P208A251K
0.00018	4.5	11.0	181P208A101K	4.5	11.0	181P208A161K	4.5	11.0	181P208A251K
0.00022	4.5	11.0	221P208A101K	4.5	11.0	221P208A161K	4.5	11.0	221P208A251K
0.00027	4.5	11.0	271P208A101K	4.5	11.0	271P208A161K	4.5	11.0	271P208A251K
0.00033	4.5	11.0	331P208A101K	4.5	11.0	331P208A161K	4.5	11.0	331P208A251K
0.00039	4.5	11.0	391P208A101K	4.5	11.0	391P208A161K	4.5	11.0	391P208A251K
0.00047	4.5	11.0	471P208A101K	4.5	11.0	471P208A161K	4.5	11.0	471P208A251K
0.00056	4.5	11.0	561P208A101K	4.5	11.0	561P208A161K	4.5	11.0	561P208A251K
0.00068	4.5	11.0	681P208A101K	4.5	11.0	681P208A161K	4.5	11.0	681P208A251K
0.00082	4.5	11.0	821P208A101K	4.5	11.0	821P208A161K	4.5	11.0	821P208A251K
0.001	4.5	11.0	102P208A101K	4.5	11.0	102P208A161K	4.5	11.0	102P208A251K
0.0012	4.5	11.0	122P208A101K	4.5	11.0	122P208A161K	4.5	11.0	122P208A251K
0.0015	4.5	11.0	152P208A101K	4.5	11.0	152P208A161K	4.5	11.0	152P208A251K
0.0018	4.5	11.0	182P208A101K	4.5	11.0	182P208A161K	4.5	11.0	182P208A251K
0.0022	4.5	11.0	222P208A101K	4.5	11.0	222P208A161K	4.5	11.0	222P208A251K
0.0027	4.5	11.0	272P208A101K	4.5	11.0	272P208A161K	4.5	11.0	272P208A251K
0.0033	4.5	11.0	332P208A101K	4.5	11.0	332P208A161K	4.5	11.0	332P208A251K
0.0039	4.5	11.0	392P208A101K	4.5	11.0	392P208A161K	4.5	11.0	392P208A251K
0.0047	4.5	11.0	472P208A101K	4.5	11.0	472P208A161K	5.0	11.0	472P208A251K
0.0056	4.5	11.0	562P208A101K	4.5	11.0	562P208A161K	5.5	11.0	562P208A251K
0.0068	4.5	11.0	682P208A101K	4.5	11.0	682P208A161K	5.5	11.0	682P208A251K
0.0082	4.5	11.0	822P208A101K	5.0	11.0	822P208A161K	5.5	14.0	822P208A251K
0.01	4.5	11.0	103P208A101K	5.5	11.0	103P208A161K	6.0	14.0	103P208A251K
0.012	5.0	11.0	123P208A101K	5.5	14.0	123P208A161K	6.5	14.0	123P208A251K
0.015	5.5	11.0	153P208A101K	6.0	14.0	153P208A161K	7.0	14.0	153P208A251K
0.018	5.0	14.0	183P208A101K	6.5	14.0	183P208A161K	5.5	19.0	183P208A251K
0.022	5.5	14.0	223P208A101K	7.0	14.0	223P208A161K	6.0	19.0	223P208A251K
0.027	6.0	14.0	273P208A101K	5.5	19.0	273P208A161K	6.5	19.0	273P208A251K
0.033	6.5	14.0	333P208A101K	6.0	19.0	333P208A161K	7.0	19.0	333P208A251K
0.039	7.0	14.0	393P208A101K	6.5	19.0	393P208A161K	7.5	19.0	393P208A251K
0.047	7.5	14.0	473P208A101K	7.0	19.0	473P208A161K	8.0	19.0	473P208A251K
0.056	6.0	19.0	563P208A101K	7.5	19.0	563P208A161K	8.5	19.0	563P208A251K
0.068	6.5	19.0	683P208A101K	8.0	19.0	683P208A161K	9.5	19.0	683P208A251K
0.082	7.0	19.0	823P208A101K	8.5	19.0	823P208A161K	9.0	26.5	823P208A251K
0.10	7.5	19.0	104P208A101K	9.5	19.0	104P208A161K	9.5	26.5	104P208A251K
0.12	8.5	19.0	124P208A101K	9.0	26.5	124P208A161K	10.0	26.5	124P208A251K
0.15	9.5	19.0	154P208A101K	9.5	26.5	154P208A161K	11.0	26.5	154P208A251K
0.18	8.5	26.5	184P208A101K	10.0	26.5	184P208A161K	12.0	26.5	184P208A251K
0.22	9.0	26.5	224P208A101K	10.5	26.5	224P208A161K	13.0	26.5	224P208A251K
0.27	10.0	26.5	274P208A101K	12.0	26.5	274P208A161K	12.5	32.0	274P208A251K
0.33	11.0	26.5	334P208A101K	13.0	26.5	334P208A161K	14.0	32.0	334P208A251K
0.39	12.0	26.5	394P208A101K	13.0	32.0	394P208A161K	15.0	32.0	394P208A251K
0.47	13.0	26.5	474P208A101K	14.0	32.0	474P208A161K	16.0	32.0	474P208A251K
0.56	12.0	32.0	564P208A101K	15.0	32.0	564P208A161K	16.0	38.0	564P208A251K
0.68	13.0	32.0	684P208A101K	16.5	32.0	684P208A161K	18.5	38.0	684P208A251K
0.82	14.5	32.0	824P208A101K	16.5	38.0	824P208A161K	17.0	45.0	824P208A251K
1.0	15.5	32.0	105P208A101K	18.0	38.0	105P208A161K	18.5	45.0	105P208A251K

*Other Values, Voltages, And Dimensions Are Available On Request



Polypropylene Film & Foil ▪ Axial Round Wrap & Fill

TYPE: P208 Series

(mm)									
CAP. (μF)	400 VDC			630 VDC			1000 VDC		
	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.0001	4.5	11.0	101P208A401K	5.0	11.0	101P208A631K			
0.00012	4.5	11.0	121P208A401K	5.0	11.0	121P208A631K			
0.00015	4.5	11.0	151P208A401K	5.0	11.0	151P208A631K			
0.00018	4.5	11.0	181P208A401K	5.0	11.0	181P208A631K			
0.00022	4.5	11.0	221P208A401K	5.0	11.0	221P208A631K			
0.00027	4.5	11.0	271P208A401K	5.0	11.0	271P208A631K			
0.00033	4.5	11.0	331P208A401K	5.0	11.0	331P208A631K			
0.00039	4.5	11.0	391P208A401K	5.0	11.0	391P208A631K			
0.00047	4.5	11.0	471P208A401K	5.0	11.0	471P208A631K			
0.00056	4.5	11.0	561P208A401K	5.0	11.0	561P208A631K			
0.00068	4.5	11.0	681P208A401K	5.0	11.0	681P208A631K			
0.00082	4.5	11.0	821P208A401K	5.0	11.0	821P208A631K			
0.001	4.5	11.0	102P208A401K	5.0	11.0	102P208A631K	5.5	14.0	102P208A102K
0.0012	4.5	11.0	122P208A401K	5.5	11.0	122P208A631K	6.0	14.0	122P208A102K
0.0015	4.5	11.0	152P208A401K	5.5	11.0	152P208A631K	6.5	14.0	152P208A102K
0.0018	4.5	11.0	182P208A401K	5.5	14.0	182P208A631K	6.5	14.0	182P208A102K
0.0022	5.0	11.0	222P208A401K	6.0	14.0	222P208A631K	7.0	14.0	222P208A102K
0.0027	5.5	11.0	272P208A401K	6.0	14.0	272P208A631K	5.5	19.0	272P208A102K
0.0033	5.5	11.0	332P208A401K	6.5	14.0	332P208A631K	6.0	19.0	332P208A102K
0.0039	5.5	14.0	392P208A401K	7.0	14.0	392P208A631K	6.5	19.0	392P208A102K
0.0047	6.0	14.0	472P208A401K	7.5	14.0	472P208A631K	7.0	19.0	472P208A102K
0.0056	6.5	14.0	562P208A401K	5.5	19.0	562P208A631K	7.5	19.0	562P208A102K
0.0068	6.5	14.0	682P208A401K	6.0	19.0	682P208A631K	8.0	19.0	682P208A102K
0.0082	7.0	14.0	822P208A401K	6.5	19.0	822P208A631K	8.0	26.5	822P208A102K
0.01	7.5	14.0	103P208A401K	7.0	19.0	103P208A631K	8.5	26.5	103P208A102K
0.012	6.5	19.0	123P208A401K	7.5	19.0	123P208A631K	9.0	26.5	123P208A102K
0.015	7.0	19.0	153P208A401K	8.0	19.0	153P208A631K	9.5	26.5	153P208A102K
0.018	7.5	19.0	183P208A401K	8.5	19.0	183P208A631K	10.0	26.5	183P208A102K
0.022	8.0	19.0	223P208A401K	9.5	19.0	223P208A631K	11.0	26.5	223P208A102K
0.027	8.5	19.0	273P208A401K	9.0	26.5	273P208A631K	12.0	26.5	273P208A102K
0.033	9.0	19.0	333P208A401K	9.5	26.5	333P208A631K	13.0	26.5	333P208A102K
0.039	8.0	26.5	393P208A401K	10.0	26.5	393P208A631K	12.5	32.0	393P208A102K
0.047	9.0	26.5	473P208A401K	11.0	26.5	473P208A631K	13.5	32.0	473P208A102K
0.056	9.5	26.5	563P208A401K	11.5	26.5	563P208A631K	14.5	32.0	563P208A102K
0.068	10.5	26.5	683P208A401K	13.0	26.5	683P208A631K	15.5	32.0	683P208A102K
0.082	11.5	26.5	823P208A401K	12.5	32.0	823P208A631K	15.5	38.0	823P208A102K
0.10	12.5	26.5	104P208A401K	13.5	32.0	104P208A631K	17.0	38.0	104P208A102K
0.12	12.0	32.0	124P208A401K	14.5	32.0	124P208A631K	16.5	45.0	124P208A102K
0.15	13.0	32.0	154P208A401K	16.0	32.0	154P208A631K	18.0	45.0	154P208A102K
0.18	14.0	32.0	184P208A401K	16.0	38.0	184P208A631K	19.5	45.0	184P208A102K
0.22	15.5	32.0	224P208A401K	17.5	38.0	224P208A631K	21.5	45.0	224P208A102K
0.27	15.0	38.0	274P208A401K	17.0	45.0	274P208A631K	21.0	58.0	274P208A102K
0.33	17.0	38.0	334P208A401K	19.0	45.0	334P208A631K	23.0	58.0	334P208A102K
0.39	16.5	45.0	394P208A401K	20.0	45.0	394P208A631K	25.0	58.0	394P208A102K
0.47	17.5	45.0	474P208A401K	22.0	45.0	474P208A631K	26.5	58.0	474P208A102K
0.56	19.0	45.0	564P208A401K						
0.68	21.0	45.0	684P208A401K						
0.82	20.0	58.0	824P208A401K						
1.0	22.5	58.0	105P208A401K						

*Other Values, Voltages, And Dimensions Are Available On Request



AC Metallized Polypropylene Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
P302	Radial Box	0.01 To 4.7	±5% To ±20%	3-107
P304	Radial Epoxy Dip	0.01 To 4.7	±5% To ±20%	3-109
P306	Axial Oval Wrap & Fill	0.01 To 22.0	±5% To ±20%	3-111
P308	Axial Round Wrap & Fill	0.01 To 22.0	±5% To ±20%	3-113

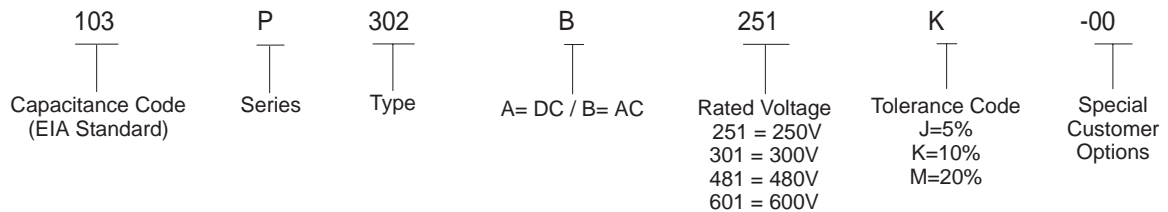
Features

- 1) Extended foil, non-inductive construction
- 2) Self healing properties and excellent AC performance
- 3) Very low losses
- 4) High insulation resistance and high stability of capacitance
- 5) 480VAC and 600VAC rated are internal series connection wound
- 6) Negative temperature coefficient of capacitance

Applications

- 1) Motor run and discharge lighting
- 2) Power factor correction
- 3) By-Pass/coupling
- 4) Filters/Networks
- 5) Snubber circuits
- 6) 480VAC and 600VAC rated can be used at across-the-line
- 7) Switching power supplies

Part Numbering System



Specifications

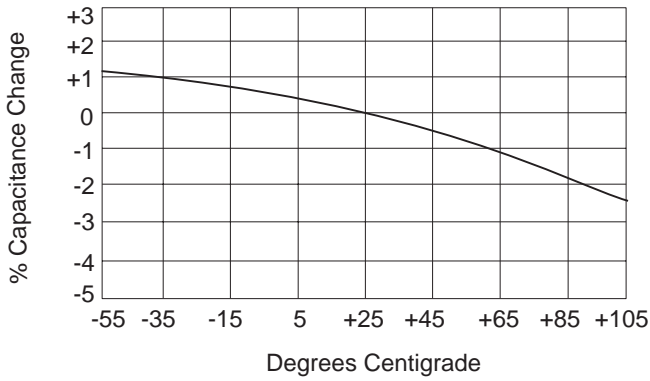
- 1) Operating Temperature Range: -40°C To +70°C with full Rated Voltage applied (for operation to 100°C derate linearly to 50% rated voltage)
- 2) Dissipation Factor: 0.1% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 250VAC, 300VAC, 480VAC, 600VAC at 50/60Hz, +25°C
- 4) Dielectric Strength:
 - Terminal to Terminal (60 sec): 250VAC rated for 600VDC, 300VAC rated for 800VDC, 480VAC rated for 1300VDC and 600VAC rated for 2000VDC
 - Terminal to Enclosure (2 sec): Rated voltage (VAC)X2 +1000VAC (at least 2000VAC)
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at 100VDC, the minimum IR shall be ≥100,000 Megohms for C≤0.33uF
≥30,000 Megohms X MFD(sec) for C>0.33uF
- 6) Capacitance Change: Temperature coefficient -200 (+50, -100) PPM/°C



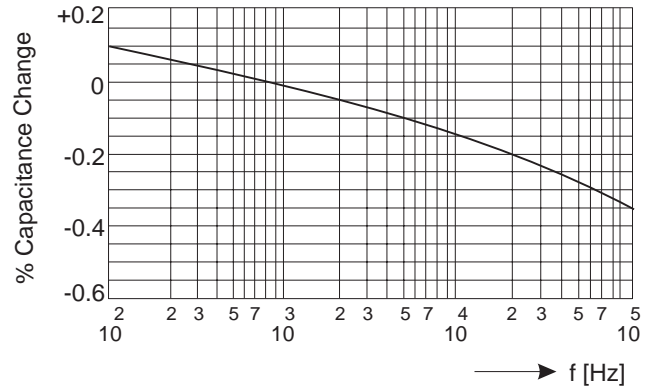
AC Metallized Polypropylene

TYPE: P302, P304, P306, P308 Series

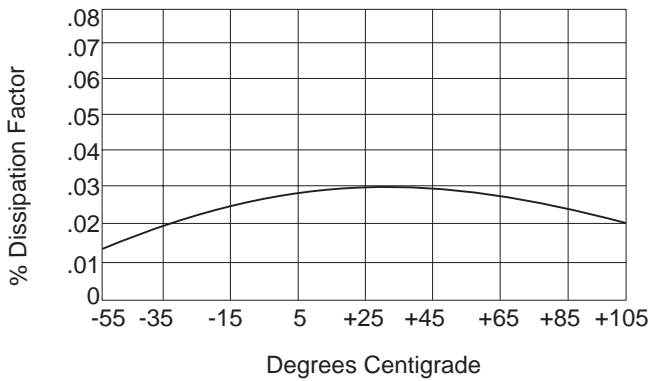
Capacitance Change vs. Temperature At 1KHz



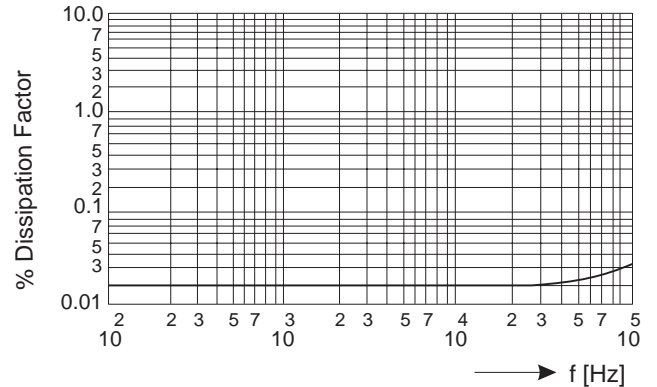
Capacitance Change vs. Frequency (Room Temp.)



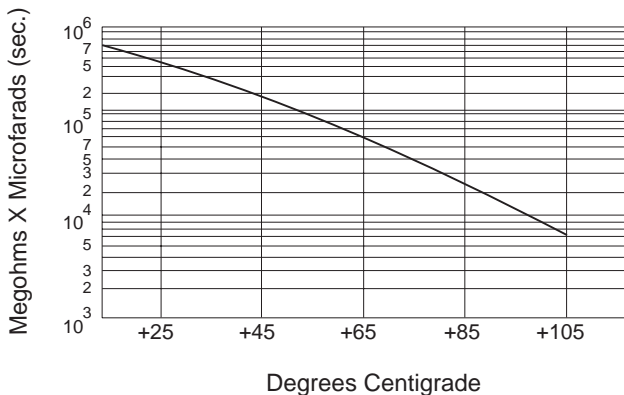
Dissipation Factor vs. Temperature At 1KHz



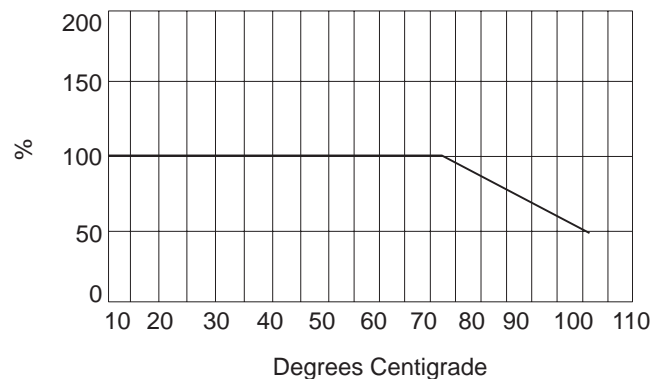
Dissipation Factor vs. Frequency (Room Temp.)



Insulation Resistance vs. Temperature



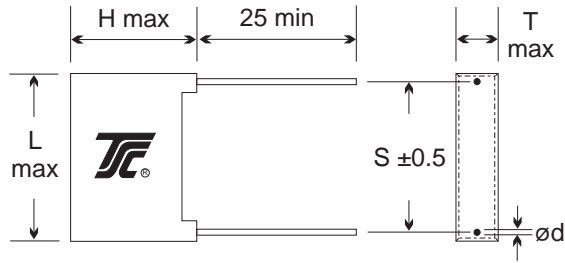
Voltage Derating vs. Temperature





AC Metallized Polypropylene • RadialBox

TYPE: P302 Series



L	10.5	13.0	18.0	26.5	32.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (µF)	250 VAC				300 VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	4.0	9.0	10.5	103P302B251K	4.0	9.0	13.0	103P302B301K
0.012	4.0	9.0	10.5	123P302B251K	4.0	9.0	13.0	123P302B301K
0.015	4.0	9.0	10.5	153P302B251K	4.0	9.0	13.0	153P302B301K
0.018	4.0	9.0	10.5	183P302B251K	4.0	9.0	13.0	183P302B301K
0.022	4.0	9.0	10.5	223P302B251K	5.0	11.0	13.0	223P302B301K
0.027	4.0	9.0	13.0	273P302B251K	5.0	11.0	13.0	273P302B301K
0.033	4.0	9.0	13.0	333P302B251K	5.0	11.0	13.0	333P302B301K
0.039	5.0	11.0	13.0	393P302B251K	6.0	12.0	13.0	393P302B301K
0.047	5.0	11.0	13.0	473P302B251K	6.0	12.0	13.0	473P302B301K
0.056	6.0	12.0	13.0	563P302B251K	5.0	11.0	18.0	563P302B301K
0.068	6.0	12.0	13.0	683P302B251K	6.0	12.0	18.0	683P302B301K
0.082	5.0	11.0	18.0	823P302B251K	6.0	12.0	18.0	823P302B301K
0.10	5.0	11.0	18.0	104P302B251K	7.5	13.5	18.0	104P302B301K
0.12	6.0	12.0	18.0	124P302B251K	8.5	15.0	18.0	124P302B301K
0.15	6.0	12.0	18.0	154P302B251K	8.5	15.0	18.0	154P302B301K
0.18	7.5	13.5	18.0	184P302B251K	7.0	16.5	26.5	184P302B301K
0.22	7.5	13.5	18.0	224P302B251K	8.5	17.0	26.5	224P302B301K
0.27	6.0	15.0	26.5	274P302B251K	8.5	17.0	26.5	274P302B301K
0.33	7.0	16.5	26.5	334P302B251K	10.0	19.0	26.5	334P302B301K
0.39	7.0	16.5	26.5	394P302B251K	11.0	20.0	32.0	394P302B301K
0.47	8.5	17.0	26.5	474P302B251K	11.0	20.0	32.0	474P302B301K
0.56	8.5	17.0	26.5	564P302B251K	11.0	20.0	32.0	564P302B301K
0.68	10.0	19.0	26.5	684P302B251K	13.0	22.0	32.0	684P302B301K
0.82	11.0	20.0	32.0	824P302B251K	13.0	22.0	32.0	824P302B301K
1.0	11.0	20.0	32.0	105P302B251K	15.0	25.0	32.0	105P302B301K
1.2	11.0	20.0	32.0	125P302B251K	15.0	25.0	32.0	125P302B301K
1.5	13.0	22.0	32.0	155P302B251K	18.0	30.0	32.0	155P302B301K
1.8	15.0	25.0	32.0	185P302B251K	18.0	30.0	32.0	185P302B301K
2.2	15.0	25.0	32.0	225P302B251K	18.0	30.0	32.0	225P302B301K
2.7	18.0	30.0	32.0	275P302B251K				
3.3	18.0	30.0	32.0	335P302B251K				
3.9	18.0	30.0	32.0	395P302B251K				
4.7	18.0	30.0	32.0	475P302B251K				

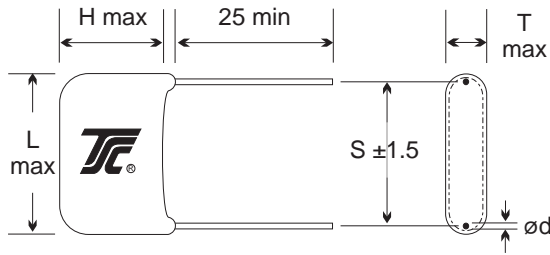
CAP. (µF)	480 VAC				600 VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	5.0	11.0	18.0	103P302B481K	6.0	12.0	18.0	103P302B601K
0.012	5.0	11.0	18.0	123P302B481K	7.5	13.5	18.0	123P302B601K
0.015	5.0	11.0	18.0	153P302B481K	7.5	13.5	18.0	153P302B601K
0.018	6.0	12.0	18.0	183P302B481K	8.5	15.0	18.0	183P302B601K
0.022	6.0	12.0	18.0	223P302B481K	8.5	15.0	18.0	223P302B601K
0.027	7.5	13.5	18.0	273P302B481K	7.0	16.5	26.5	273P302B601K
0.033	7.5	13.5	18.0	333P302B481K	7.0	16.5	26.5	333P302B601K
0.039	8.5	15.0	18.0	393P302B481K	8.5	17.0	26.5	393P302B601K
0.047	8.5	15.0	18.0	473P302B481K	8.5	17.0	26.5	473P302B601K
0.056	7.0	16.5	26.5	563P302B481K	10.0	19.0	26.5	563P302B601K
0.068	7.0	16.5	26.5	683P302B481K	10.0	19.0	26.5	683P302B601K
0.082	8.5	17.0	26.5	823P302B481K	11.0	20.0	32.0	823P302B601K
0.10	8.5	17.0	26.5	104P302B481K	11.0	20.0	32.0	104P302B601K
0.12	10.0	19.0	26.5	124P302B481K	13.0	22.0	32.0	124P302B601K
0.15	10.0	19.0	26.5	154P302B481K	13.0	22.0	32.0	154P302B601K
0.18	11.0	20.0	32.0	184P302B481K	15.0	25.0	32.0	184P302B601K
0.22	13.0	22.0	32.0	224P302B481K	15.0	25.0	32.0	224P302B601K
0.27	13.0	22.0	32.0	274P302B481K	18.0	30.0	32.0	274P302B601K
0.33	15.0	25.0	32.0	334P302B481K	18.0	30.0	32.0	334P302B601K
0.39	15.0	25.0	32.0	394P302B481K	18.0	30.0	32.0	394P302B601K
0.47	18.0	30.0	32.0	474P302B481K	18.0	30.0	32.0	474P302B601K
0.56	18.0	30.0	32.0	564P302B481K				
0.68	18.0	30.0	32.0	684P302B481K				
0.82	18.0	30.0	32.0	824P302B481K				
1.0	18.0	30.0	32.0	105P302B481K				

*Other Values, Voltages, And Dimensions Are Available On Request



AC Metallized Polypropylene • Radial Epoxy Dipped

TYPE: P304 Series



L	10.0	13.0	18.5	26.0	31.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (µF)	250 VAC				300 VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	4.0	9.0	10.5	103P304B251K	4.5	9.0	13.0	103P304B301K
0.012	4.0	9.0	10.5	123P304B251K	4.5	9.0	13.0	123P304B301K
0.015	4.0	9.0	10.5	153P304B251K	4.5	9.0	13.0	153P304B301K
0.018	4.0	9.0	10.5	183P304B251K	4.5	9.0	13.0	183P304B301K
0.022	4.0	9.0	10.5	223P304B251K	5.0	9.5	13.0	223P304B301K
0.027	4.0	9.0	13.0	273P304B251K	5.0	10.0	13.0	273P304B301K
0.033	4.0	9.0	13.0	333P304B251K	5.5	11.0	13.0	333P304B301K
0.039	5.0	10.0	13.0	393P304B251K	6.0	12.0	13.0	393P304B301K
0.047	5.5	10.5	13.0	473P304B251K	6.5	12.5	13.0	473P304B301K
0.056	5.5	11.0	13.0	563P304B251K	5.5	11.0	18.5	563P304B301K
0.068	6.0	12.0	13.0	683P304B251K	6.5	12.5	18.5	683P304B301K
0.082	5.0	10.0	18.5	823P304B251K	7.0	13.0	18.5	823P304B301K
0.10	5.5	11.0	18.5	104P304B251K	7.5	14.0	18.5	104P304B301K
0.12	6.0	12.0	18.5	124P304B251K	8.0	15.0	18.5	124P304B301K
0.15	6.5	12.5	18.5	154P304B251K	8.5	16.0	18.5	154P304B301K
0.18	7.0	13.0	18.5	184P304B251K	8.0	14.0	26.0	184P304B301K
0.22	7.5	14.0	18.5	224P304B251K	8.5	16.0	26.0	224P304B301K
0.27	6.5	12.5	26.0	274P304B251K	9.0	16.5	26.0	274P304B301K
0.33	7.5	14.0	26.0	334P304B251K	9.5	18.0	26.0	334P304B301K
0.39	8.0	14.5	26.0	394P304B251K	9.5	18.0	31.0	394P304B301K
0.47	8.5	15.0	26.0	474P304B251K	10.0	19.0	31.0	474P304B301K
0.56	9.0	16.5	26.0	564P304B251K	11.0	20.0	31.0	564P304B301K
0.68	9.5	18.0	26.0	684P304B251K	12.0	22.0	31.0	684P304B301K
0.82	9.5	18.0	31.0	824P304B251K	13.0	24.0	31.0	824P304B301K
1.0	10.0	19.0	31.0	105P304B251K	14.0	26.0	31.0	105P304B301K
1.2	11.0	21.0	31.0	125P304B251K	15.0	27.0	31.0	125P304B301K
1.5	12.5	23.0	31.0	155P304B251K	17.0	30.0	31.0	155P304B301K
1.8	13.0	24.0	31.0	185P304B251K	19.0	32.0	31.0	185P304B301K
2.2	14.0	26.0	31.0	225P304B251K	20.5	34.0	31.0	225P304B301K
2.7	15.5	28.0	31.0	275P304B251K				
3.3	17.5	30.0	31.0	335P304B251K				
3.9	19.0	33.0	31.0	395P304B251K				
4.7	22.0	36.0	31.0	475P304B251K				

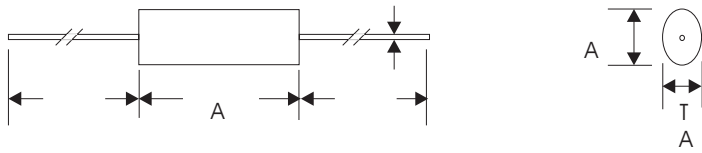
CAP. (µF)	480 VAC				600 VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	4.5	9.0	18.5	103P304B481K	7.0	13.0	18.5	103P304B601K
0.012	5.0	10.0	18.5	123P304B481K	7.5	13.5	18.5	123P304B601K
0.015	5.0	11.0	18.5	153P304B481K	8.0	14.0	18.5	153P304B601K
0.018	6.0	12.0	18.5	183P304B481K	8.5	15.0	18.5	183P304B601K
0.022	6.5	12.5	18.5	223P304B481K	9.0	16.5	18.5	223P304B601K
0.027	7.5	13.5	18.5	273P304B481K	7.5	13.5	26.0	273P304B601K
0.033	8.0	14.0	18.5	333P304B481K	8.0	14.0	26.0	333P304B601K
0.039	8.5	15.5	18.5	393P304B481K	8.5	15.5	26.0	393P304B601K
0.047	9.0	16.5	18.5	473P304B481K	9.0	16.5	26.0	473P304B601K
0.056	7.5	13.5	26.0	563P304B481K	9.5	18.0	26.0	563P304B601K
0.068	8.0	14.0	26.0	683P304B481K	10.0	19.0	26.0	683P304B601K
0.082	8.5	15.5	26.0	823P304B481K	9.5	18.0	31.0	823P304B601K
0.10	9.0	16.5	26.0	104P304B481K	10.5	20.0	31.0	104P304B601K
0.12	9.5	18.0	26.0	124P304B481K	11.5	22.0	31.0	124P304B601K
0.15	10.0	19.0	26.0	154P304B481K	13.0	24.0	31.0	154P304B601K
0.18	10.0	19.0	31.0	184P304B481K	14.0	25.0	31.0	184P304B601K
0.22	11.5	20.5	31.0	224P304B481K	15.0	27.0	31.0	224P304B601K
0.27	12.5	22.0	31.0	274P304B481K	16.5	29.0	31.0	274P304B601K
0.33	13.5	24.0	31.0	334P304B481K	19.0	32.0	31.0	334P304B601K
0.39	14.5	26.0	31.0	394P304B481K	21.5	34.0	31.0	394P304B601K
0.47	15.5	28.0	31.0	474P304B481K	22.0	36.0	31.0	474P304B601K
0.56	16.0	29.0	31.0	564P304B481K				
0.68	18.0	31.0	31.0	684P304B481K				
0.82	20.5	34.0	31.0	824P304B481K				
1.0	22.0	36.0	31.0	105P304B481K				

*Other Values, Voltages, And Dimensions Are Available On Request



AC Metallized Polypropylene - Axial Oval Wrap & Fill

TYPE: P306 Series



L	11.0	14.0	19.0	26.5	32.0	45.0	58.0
d	0.6	0.6	0.6	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	250 VAC				Part No.	300 VAC			
	T	H	L	Part No.		T	H	L	Part No.
0.01	3.5	6.0	11.0	103P306B251K	3.5	6.0	14.0	103P306B301K	
0.012	3.5	6.0	11.0	123P306B251K	3.5	6.0	14.0	123P306B301K	
0.015	3.5	6.0	11.0	153P306B251K	3.5	6.0	14.0	153P306B301K	
0.018	3.5	6.0	11.0	183P306B251K	3.5	6.5	14.0	183P306B301K	
0.022	3.5	6.0	11.0	223P306B251K	4.0	7.0	14.0	223P306B301K	
0.027	3.5	6.0	14.0	273P306B251K	4.0	7.5	14.0	273P306B301K	
0.033	3.5	6.5	14.0	333P306B251K	4.5	8.0	14.0	333P306B301K	
0.039	4.0	7.0	14.0	393P306B251K	4.5	9.0	14.0	393P306B301K	
0.047	4.5	8.0	14.0	473P306B251K	5.0	9.5	14.0	473P306B301K	
0.056	4.5	8.5	14.0	563P306B251K	4.5	9.0	19.0	563P306B301K	
0.068	5.0	9.5	14.0	683P306B251K	5.0	10.0	19.0	683P306B301K	
0.082	4.0	7.5	19.0	823P306B251K	5.5	11.0	19.0	823P306B301K	
0.10	4.5	8.5	19.0	104P306B251K	6.0	12.0	19.0	104P306B301K	
0.12	5.0	9.0	19.0	124P306B251K	5.5	11.0	26.5	124P306B301K	
0.15	5.0	10.0	19.0	154P306B251K	6.0	12.0	26.5	154P306B301K	
0.18	5.5	11.0	19.0	184P306B251K	6.5	12.5	26.5	184P306B301K	
0.22	6.0	12.0	19.0	224P306B251K	7.0	13.0	26.5	224P306B301K	
0.27	5.5	11.0	26.5	274P306B251K	7.5	13.5	26.5	274P306B301K	
0.33	6.0	12.0	26.5	334P306B251K	8.0	14.0	26.5	334P306B301K	
0.39	6.5	12.5	26.5	394P306B251K	8.0	14.0	32.0	394P306B301K	
0.47	7.0	13.0	26.5	474P306B251K	8.5	15.5	32.0	474P306B301K	
0.56	7.5	13.5	26.5	564P306B251K	9.0	16.5	32.0	564P306B301K	
0.68	8.0	15.0	26.5	684P306B251K	9.5	17.5	32.0	684P306B301K	
0.82	7.5	13.5	32.0	824P306B251K	9.5	19.0	32.0	824P306B301K	
1.0	8.5	15.0	32.0	105P306B251K	10.5	20.0	32.0	105P306B301K	
1.2	9.0	16.5	32.0	125P306B251K	10.0	19.0	45.0	125P306B301K	
1.5	9.5	18.0	32.0	155P306B251K	11.5	21.0	45.0	155P306B301K	
1.8	10.0	19.0	32.0	185P306B251K	12.5	22.0	45.0	185P306B301K	
2.2	11.5	21.5	32.0	225P306B251K	13.5	24.0	45.0	225P306B301K	
2.7	10.5	20.0	45.0	275P306B251K	15.0	26.0	45.0	275P306B301K	
3.3	12.0	22.0	45.0	335P306B251K	17.0	28.0	45.0	335P306B301K	
3.9	13.0	24.0	45.0	395P306B251K	16.5	27.0	58.0	395P306B301K	
4.7	14.5	26.0	45.0	475P306B251K	18.5	30.0	58.0	475P306B301K	
5.6	16.0	27.0	45.0	565P306B251K	19.5	32.0	58.0	565P306B301K	
6.8	18.5	30.0	45.0	685P306B251K	22.0	36.0	58.0	685P306B301K	
8.2	17.5	28.0	58.0	825P306B251K	24.0	40.0	58.0	825P306B301K	
10.0	19.5	32.0	58.0	106P306B251K	28.0	42.0	58.0	106P306B301K	
12.0	21.5	36.0	58.0	126P306B251K					
15.0	24.0	38.0	58.0	156P306B251K					
18.0	26.0	40.0	58.0	186P306B251K					
22.0	30.0	44.0	58.0	226P306B251K					

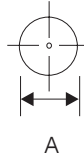
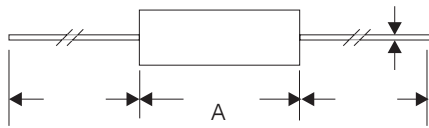
CAP. (μF)	480 VAC				Part No.	600 VAC			
	T	H	L	Part No.		T	H	L	Part No.
0.01	3.5	6.5	19.0	103P306B481K	5.5	10.0	19.0	103P306B601K	
0.012	4.0	7.5	19.0	123P306B481K	6.0	11.0	19.0	123P306B601K	
0.015	4.5	8.0	19.0	153P306B481K	6.5	12.0	19.0	153P306B601K	
0.018	5.0	9.0	19.0	183P306B481K	5.0	10.0	26.5	183P306B601K	
0.022	5.5	10.0	19.0	223P306B481K	5.5	11.0	26.5	223P306B601K	
0.027	6.0	11.0	19.0	273P306B481K	6.0	12.0	26.5	273P306B601K	
0.033	6.5	12.0	19.0	333P306B481K	6.5	12.5	26.5	333P306B601K	
0.039	5.0	10.0	26.5	393P306B481K	7.0	13.0	26.5	393P306B601K	
0.047	5.5	10.5	26.5	473P306B481K	7.5	13.5	26.5	473P306B601K	
0.056	5.5	11.0	26.5	563P306B481K	8.0	15.0	26.5	563P306B601K	
0.068	6.0	12.0	26.5	683P306B481K	9.0	16.0	26.5	683P306B601K	
0.082	6.5	12.5	26.5	823P306B481K	8.0	15.0	32.0	823P306B601K	
0.10	7.5	13.5	26.5	104P306B481K	9.0	16.0	32.0	104P306B601K	
0.12	7.0	13.0	32.0	124P306B481K	9.5	17.5	32.0	124P306B601K	
0.15	8.0	14.5	32.0	154P306B481K	10.0	19.0	32.0	154P306B601K	
0.18	8.5	16.0	32.0	184P306B481K	9.5	18.0	45.0	184P306B601K	
0.22	9.0	17.0	32.0	224P306B481K	10.5	20.0	45.0	224P306B601K	
0.27	9.5	18.0	32.0	274P306B481K	11.0	21.0	45.0	274P306B601K	
0.33	10.5	20.0	32.0	334P306B481K	13.0	23.0	45.0	334P306B601K	
0.39	9.5	18.0	45.0	394P306B481K	14.0	25.0	45.0	394P306B601K	
0.47	10.0	19.0	45.0	474P306B481K	15.5	27.0	45.0	474P306B601K	
0.56	11.0	20.0	45.0	564P306B481K	17.5	30.0	45.0	564P306B601K	
0.68	12.0	22.0	45.0	684P306B481K	19.0	32.0	45.0	684P306B601K	
0.82	13.0	24.0	45.0	824P306B481K	21.5	35.0	45.0	824P306B601K	
1.0	15.0	26.0	45.0	105P306B481K	23.0	38.0	45.0	105P306B601K	
1.2	16.0	27.0	45.0	125P306B481K					
1.5	18.5	30.0	45.0	155P306B481K					
1.8	20.5	33.0	45.0	185P306B481K					
2.2	23.0	36.0	45.0	225P306B481K					

*Other Values, Voltages, And Dimensions Are Available On Request



AC Metallized Polypropylene - Axial Round Wrap & Fill

TYPE: P308 Series



L	11.0	14.0	19.0	26.5	32.0	45.0	58.0
d	0.6	0.6	0.6	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	250 VAC			300 VAC		
	D	L	Part No.	D	L	Part No.
0.01	5.0	11.0	103P308B251K	5.0	14.0	103P308B301K
0.012	5.0	11.0	123P308B251K	5.0	14.0	123P308B301K
0.015	5.0	11.0	153P308B251K	5.5	14.0	153P308B301K
0.018	5.0	11.0	183P308B251K	5.5	14.0	183P308B301K
0.022	5.0	11.0	223P308B251K	6.0	14.0	223P308B301K
0.027	5.0	14.0	273P308B251K	6.5	14.0	273P308B301K
0.033	5.5	14.0	333P308B251K	6.5	14.0	333P308B301K
0.039	6.0	14.0	393P308B251K	7.0	14.0	393P308B301K
0.047	6.5	14.0	473P308B251K	7.5	14.0	473P308B301K
0.056	7.0	14.0	563P308B251K	6.5	19.0	563P308B301K
0.068	7.5	14.0	683P308B251K	7.5	19.0	683P308B301K
0.082	6.0	19.0	823P308B251K	8.0	19.0	823P308B301K
0.10	6.5	19.0	104P308B251K	8.5	19.0	104P308B301K
0.12	7.0	19.0	124P308B251K	8.5	26.5	124P308B301K
0.15	7.5	19.0	154P308B251K	9.0	26.5	154P308B301K
0.18	8.5	19.0	184P308B251K	9.5	26.5	184P308B301K
0.22	9.0	19.0	224P308B251K	10.0	26.5	224P308B301K
0.27	8.5	26.5	274P308B251K	11.0	26.5	274P308B301K
0.33	9.0	26.5	334P308B251K	12.0	26.5	334P308B301K
0.39	9.5	26.5	394P308B251K	11.0	32.0	394P308B301K
0.47	10.0	26.5	474P308B251K	12.0	32.0	474P308B301K
0.56	11.0	26.5	564P308B251K	13.0	32.0	564P308B301K
0.68	12.0	26.5	684P308B251K	14.0	32.0	684P308B301K
0.82	11.0	32.0	824P308B251K	15.0	32.0	824P308B301K
1.0	12.0	32.0	105P308B251K	16.0	32.0	105P308B301K
1.2	13.0	32.0	125P308B251K	15.0	45.0	125P308B301K
1.5	14.5	32.0	155P308B251K	16.5	45.0	155P308B301K
1.8	15.5	32.0	185P308B251K	18.0	45.0	185P308B301K
2.2	17.0	32.0	225P308B251K	19.5	45.0	225P308B301K
2.7	15.5	45.0	275P308B251K	21.5	45.0	275P308B301K
3.3	17.0	45.0	335P308B251K	23.5	45.0	335P308B301K
3.9	18.5	45.0	395P308B251K	23.5	58.0	395P308B301K
4.7	21.0	45.0	475P308B251K	24.5	58.0	475P308B301K
5.6	23.0	45.0	565P308B251K	26.5	58.0	565P308B301K
6.8	25.0	45.0	685P308B251K	29.0	58.0	685P308B301K
8.2	24.0	58.0	825P308B251K	32.0	58.0	825P308B301K
10.0	26.0	58.0	106P308B251K	35.0	58.0	106P308B301K
12.0	28.5	58.0	126P308B251K			
15.0	31.5	58.0	156P308B251K			
18.0	34.5	58.0	186P308B251K			
22.0	38.0	58.0	226P308B251K			

CAP. (μF)	480 VAC			600 VAC		
	D	L	Part No.	D	L	Part No.
0.01	5.5	19.0	103P308B481K	8.0	19.0	103P308B601K
0.012	6.0	19.0	123P308B481K	8.5	19.0	123P308B601K
0.015	6.5	19.0	153P308B481K	9.0	19.0	153P308B601K
0.018	7.0	19.0	183P308B481K	7.5	26.5	183P308B601K
0.022	7.5	19.0	223P308B481K	8.0	26.5	223P308B601K
0.027	8.5	19.0	273P308B481K	8.5	26.5	273P308B601K
0.033	9.0	19.0	333P308B481K	9.5	26.5	333P308B601K
0.039	7.5	26.5	393P308B481K	10.0	26.5	393P308B601K
0.047	8.0	26.5	473P308B481K	10.5	26.5	473P308B601K
0.056	8.5	26.5	563P308B481K	12.0	26.5	563P308B601K
0.068	9.0	26.5	683P308B481K	12.5	26.5	683P308B601K
0.082	9.5	26.5	823P308B481K	12.0	32.0	823P308B601K
0.10	10.5	26.5	104P308B481K	13.0	32.0	104P308B601K
0.12	10.0	32.0	124P308B481K	14.0	32.0	124P308B601K
0.15	11.5	32.0	154P308B481K	15.0	32.0	154P308B601K
0.18	12.5	32.0	184P308B481K	14.5	45.0	184P308B601K
0.22	13.5	32.0	224P308B481K	16.0	45.0	224P308B601K
0.27	14.5	32.0	274P308B481K	16.5	45.0	274P308B601K
0.33	16.0	32.0	334P308B481K	18.0	45.0	334P308B601K
0.39	14.5	45.0	394P308B481K	19.5	45.0	394P308B601K
0.47	15.5	45.0	474P308B481K	22.0	45.0	474P308B601K
0.56	16.5	45.0	564P308B481K	24.0	45.0	564P308B601K
0.68	17.5	45.0	684P308B481K	26.0	45.0	684P308B601K
0.82	19.0	45.0	824P308B481K	28.5	45.0	824P308B601K
1.0	21.0	45.0	105P308B481K	31.0	45.0	105P308B601K
1.2	22.5	45.0	125P308B481K			
1.5	25.0	45.0	155P308B481K			
1.8	27.0	45.0	185P308B481K			
2.2	30.0	45.0	225P308B481K			

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Metallized Polypropylene Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
P402	Radial Box	0.001 To 0.47	±2% To ±20%	3-118
P404	Radial Epoxy Dip	0.001 To 0.47	±2% To ±20%	3-120
P406	Axial Oval Wrap & Fill	0.001 To 1.0	±2% To ±20%	3-122
P408	Axial Round Wrap & Fill	0.001 To 1.0	±2% To ±20%	3-124

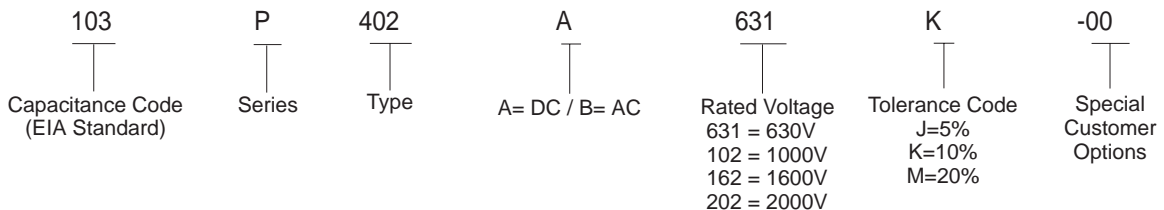
Features

- 1) Extended double sided metallized film, internal series connection wound
- 2) High contact reliability and self healing properties
- 3) Low DF, Low ESR, and High Insulation Resistance
- 4) Suitable for high frequency
- 5) Negative temperature coefficient of capacitance

Applications

- 1) High voltage, high current and high pulse operations
- 2) Deflection circuits and protection circuits in Amps
- 3) Input and output filtering
- 4) Timing and storage circuits
- 5) Snubber and commutating circuits

Part Numbering System



Specifications

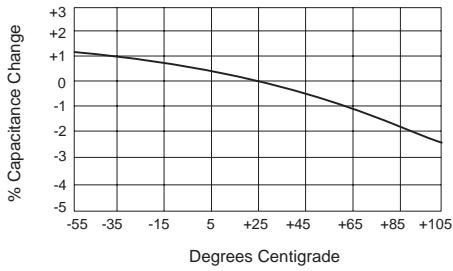
- 1) Operating Temperature Range: -55°C To +105°C with full Rated Voltage applied
- 2) Dissipation Factor: 0.1% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 630VDC/400VAC, 1000VDC/500VAC, 1600VDC/600VAC, 2000VDC/650VAC at 60Hz (RMS)
- 4) Dielectric Strength: 200% of rated voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at rated DC voltage or 500VDC, the minimum IR shall be ≥100,000 Megohms for C≤0.33uF
≥30,000 Megohms X MFD(sec) for C>0.33uF
- 6) Capacitance Change: Temperature coefficient -200 (+50, -100) PPM/°C



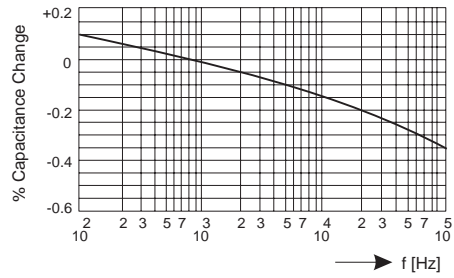
Series Wound Metallized Polypropylene

TYPE: P402, P404, P406, P408 Series

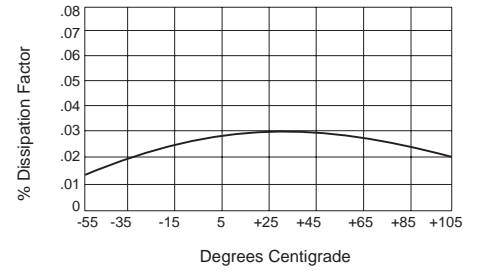
Capacitance Change vs. Temperature At 1KHz



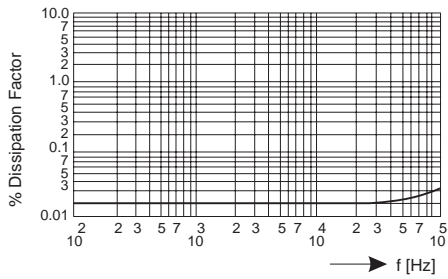
Capacitance Change vs. Frequency (Room Temp.)



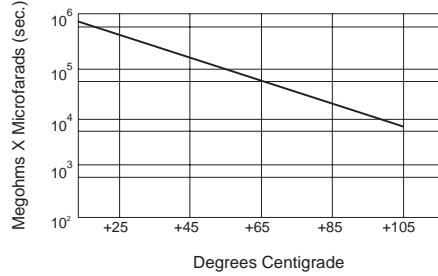
Dissipation Factor vs. Temperature At 1KHz



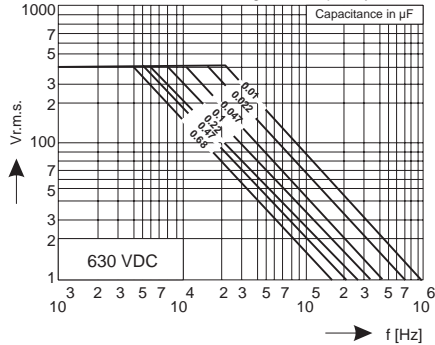
Dissipation Factor vs. Frequency (Room Temp.)



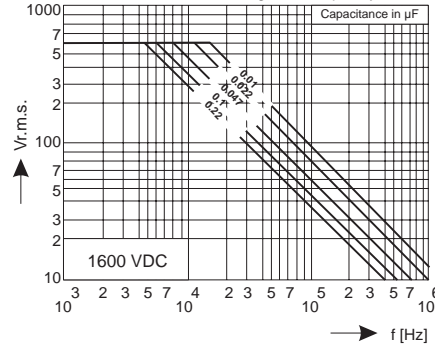
Insulation Resistance vs. Temperature



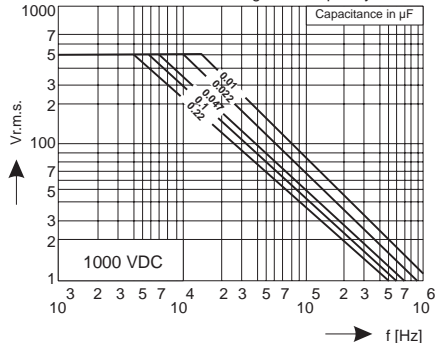
Permissible AC Voltage vs. Frequency



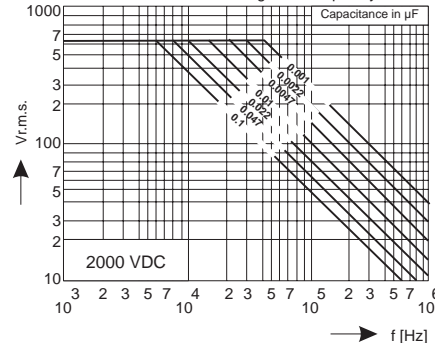
Permissible AC Voltage vs. Frequency



Permissible AC Voltage vs. Frequency



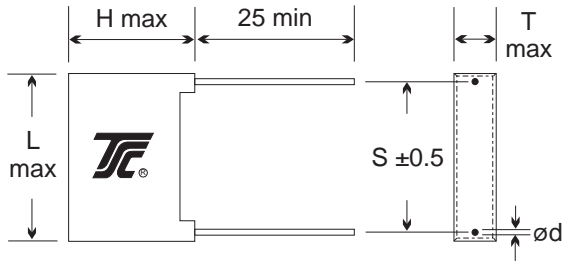
Permissible AC Voltage vs. Frequency





Series Wound Metallized Polypropylene Radial Box

TYPE: P402 Series



L	18.0	26.5	32.0
S	15.0	22.5	27.5
d	0.8	0.8	0.8

(mm)

CAP. (µF)	630VDC / 400VAC				1000VDC / 500VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	5.0	11.0	18.0	102P402B401K	5.0	11.0	18.0	102P402B501K
0.0012	5.0	11.0	18.0	122P402B401K	5.0	11.0	18.0	122P402B501K
0.0015	5.0	11.0	18.0	152P402B401K	5.0	11.0	18.0	152P402B501K
0.0018	5.0	11.0	18.0	182P402B401K	5.0	11.0	18.0	182P402B501K
0.0022	5.0	11.0	18.0	222P402B401K	5.0	11.0	18.0	222P402B501K
0.0027	5.0	11.0	18.0	272P402B401K	5.0	11.0	18.0	272P402B501K
0.0033	5.0	11.0	18.0	332P402B401K	5.0	11.0	18.0	332P402B501K
0.0039	5.0	11.0	18.0	392P402B401K	5.0	11.0	18.0	392P402B501K
0.0047	5.0	11.0	18.0	472P402B401K	6.0	12.0	18.0	472P402B501K
0.0056	5.0	11.0	18.0	562P402B401K	6.0	12.0	18.0	562P402B501K
0.0068	5.0	11.0	18.0	682P402B401K	6.0	12.0	18.0	682P402B501K
0.0082	6.0	12.0	18.0	822P402B401K	6.0	12.0	18.0	822P402B501K
0.01	6.0	12.0	18.0	103P402B401K	7.5	13.5	18.0	103P402B501K
0.012	6.0	12.0	18.0	123P402B401K	7.5	13.5	18.0	123P402B501K
0.015	7.5	13.5	18.0	153P402B401K	8.5	15.0	18.0	153P402B501K
0.018	7.5	13.5	18.0	183P402B401K	7.0	16.5	26.5	183P402B501K
0.022	8.5	15.0	18.0	223P402B401K	7.0	16.5	26.5	223P402B501K
0.027	6.0	15.0	26.5	273P402B401K	8.5	17.0	26.5	273P402B501K
0.033	7.0	16.5	26.5	333P402B401K	8.5	17.0	26.5	333P402B501K
0.039	7.0	16.5	26.5	393P402B401K	10.0	19.0	26.5	393P402B501K
0.047	8.5	17.0	26.5	473P402B401K	10.0	19.0	26.5	473P402B501K
0.056	8.5	17.0	26.5	563P402B401K	11.0	20.0	32.0	563P402B501K
0.068	10.0	19.0	26.5	683P402B401K	11.0	20.0	32.0	683P402B501K
0.082	11.0	20.0	32.0	823P402B401K	13.0	22.0	32.0	823P402B501K
0.10	11.0	20.0	32.0	104P402B401K	13.0	22.0	32.0	104P402B501K
0.12	11.0	20.0	32.0	124P402B401K	15.0	25.0	32.0	124P402B501K
0.15	13.0	22.0	32.0	154P402B401K	15.0	25.0	32.0	154P402B501K
0.18	15.0	25.0	32.0	184P402B401K	18.0	30.0	32.0	184P402B501K
0.22	15.0	25.0	32.0	224P402B401K	18.0	30.0	32.0	224P402B501K
0.27	18.0	30.0	32.0	274P402B401K				
0.33	18.0	30.0	32.0	334P402B401K				
0.39	18.0	30.0	32.0	394P402B401K				
0.47	18.0	30.0	32.0	474P402B401K				

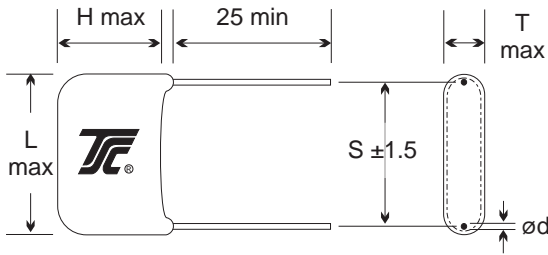
CAP. (µF)	1600VDC / 600VAC				2000VDC / 650 VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	5.0	11.0	18.0	102P402B601K	6.0	12.0	18.0	102P402B651K
0.0012	5.0	11.0	18.0	122P402B601K	6.0	12.0	18.0	122P402B651K
0.0015	6.0	12.0	18.0	152P402B601K	6.0	12.0	18.0	152P402B651K
0.0018	6.0	12.0	18.0	182P402B601K	7.5	13.5	18.0	182P402B651K
0.0022	6.0	12.0	18.0	222P402B601K	7.5	13.5	18.0	222P402B651K
0.0027	6.0	12.0	18.0	272P402B601K	7.5	13.5	18.0	272P402B651K
0.0033	7.5	13.5	18.0	332P402B601K	8.5	15.0	18.0	332P402B651K
0.0039	7.5	13.5	18.0	392P402B601K	6.0	15.0	26.5	392P402B651K
0.0047	7.5	13.5	18.0	472P402B601K	7.0	16.5	26.5	472P402B651K
0.0056	8.5	15.0	18.0	562P402B601K	7.0	16.5	26.5	562P402B651K
0.0068	8.5	15.0	18.0	682P402B601K	7.0	16.5	26.5	682P402B651K
0.0082	7.0	16.5	26.5	822P402B601K	8.5	17.0	26.5	822P402B651K
0.01	7.0	16.5	26.5	103P402B601K	8.5	17.0	26.5	103P402B651K
0.012	7.0	16.5	26.5	123P402B601K	10.0	19.0	26.5	123P402B651K
0.015	8.5	17.0	26.5	153P402B601K	10.0	19.0	26.5	153P402B651K
0.018	8.5	17.0	26.5	183P402B601K	11.0	20.0	32.0	183P402B651K
0.022	10.0	19.0	26.5	223P402B601K	11.0	20.0	32.0	223P402B651K
0.027	11.0	20.0	32.0	273P402B601K	13.0	22.0	32.0	273P402B651K
0.033	11.0	20.0	32.0	333P402B601K	15.0	25.0	32.0	333P402B651K
0.039	13.0	22.0	32.0	393P402B601K	15.0	25.0	32.0	393P402B651K
0.047	13.0	22.0	32.0	473P402B601K	18.0	30.0	32.0	473P402B651K
0.056	15.0	25.0	32.0	563P402B601K				
0.068	15.0	25.0	32.0	683P402B601K				
0.082	18.0	30.0	32.0	823P402B601K				
0.10	18.0	30.0	32.0	104P402B601K				

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Metallized Polypropylene Radial Epoxy Dipped

TYPE: P404 Series



L	18.0	26.0	31.0	44.0
S	15.0	22.5	27.5	38.0
d	0.8	0.8	0.8	0.8

(mm)

CAP. (µF)	630VDC / 400VAC				1000VDC / 500VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	4.5	9.0	18.5	102P404B401K	4.5	9.0	18.5	102P404B501K
0.0012	4.5	9.0	18.5	122P404B401K	4.5	9.0	18.5	122P404B501K
0.0015	4.5	9.0	18.5	152P404B401K	4.5	9.0	18.5	152P404B501K
0.0018	4.5	9.0	18.5	182P404B401K	4.5	9.5	18.5	182P404B501K
0.0022	4.5	9.0	18.5	222P404B401K	5.0	10.0	18.5	222P404B501K
0.0027	4.5	9.0	18.5	272P404B401K	5.0	10.5	18.5	272P404B501K
0.0033	4.5	9.0	18.5	332P404B401K	5.5	11.0	18.5	332P404B501K
0.0039	5.0	10.0	18.5	392P404B401K	6.0	11.5	18.5	392P404B501K
0.0047	5.0	10.5	18.5	472P404B401K	6.0	12.0	18.5	472P404B501K
0.0056	5.5	10.5	18.5	562P404B401K	6.5	12.0	18.5	562P404B501K
0.0068	5.5	11.0	18.5	682P404B401K	6.5	12.5	18.5	682P404B501K
0.0082	6.0	12.0	18.5	822P404B401K	7.0	13.0	18.5	822P404B501K
0.01	6.0	12.5	18.5	103P404B401K	7.5	13.5	18.5	103P404B501K
0.012	6.5	12.5	18.5	123P404B401K	8.0	14.0	18.5	123P404B501K
0.015	7.0	13.0	18.5	153P404B401K	8.5	15.5	18.5	153P404B501K
0.018	7.5	13.5	18.5	183P404B401K	7.5	13.5	26.0	183P404B501K
0.022	8.0	14.5	18.5	223P404B401K	8.0	14.5	26.0	223P404B501K
0.027	7.0	13.0	26.0	273P404B401K	8.5	16.0	26.0	273P404B501K
0.033	7.5	14.0	26.0	333P404B401K	9.0	16.5	26.0	333P404B501K
0.039	8.0	15.0	26.0	393P404B401K	9.5	18.0	26.0	393P404B501K
0.047	8.5	16.0	26.0	473P404B401K	10.0	19.0	26.0	473P404B501K
0.056	9.0	16.5	26.0	563P404B401K	10.0	19.0	31.0	563P404B501K
0.068	9.5	17.5	26.0	683P404B401K	10.5	20.0	31.0	683P404B501K
0.082	9.5	17.5	31.0	823P404B401K	12.0	21.5	31.0	823P404B501K
0.10	10.0	19.0	31.0	104P404B401K	12.5	23.0	31.0	104P404B501K
0.12	11.0	20.5	31.0	124P404B401K	13.5	25.0	31.0	124P404B501K
0.15	12.5	23.0	31.0	154P404B401K	15.0	27.0	31.0	154P404B501K
0.18	13.0	24.0	31.0	184P404B401K	16.0	29.0	31.0	184P404B501K
0.22	14.0	26.0	31.0	224P404B401K	18.0	32.0	31.0	224P404B501K
0.27	15.5	28.0	31.0	274P404B401K				
0.33	16.5	30.0	31.0	334P404B401K				
0.39	18.0	32.0	31.0	394P404B401K				
0.47	20.0	34.0	31.0	474P404B401K				

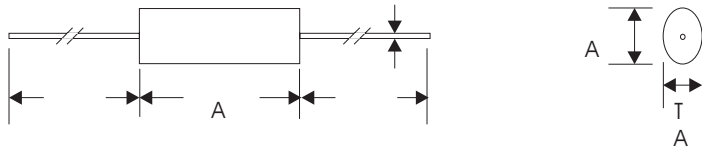
CAP. (µF)	1600VDC / 600VAC				2000VDC / 650 VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	5.0	9.5	18.5	102P404B601K	6.0	11.0	18.5	102P404B651K
0.0012	5.5	10.0	18.5	122P404B601K	6.5	12.0	18.5	122P404B651K
0.0015	5.5	10.5	18.5	152P404B601K	6.5	12.5	18.5	152P404B651K
0.0018	6.0	11.0	18.5	182P404B601K	7.0	13.0	18.5	182P404B651K
0.0022	6.0	12.0	18.5	222P404B601K	7.5	13.0	18.5	222P404B651K
0.0027	6.5	12.5	18.5	272P404B601K	7.5	13.5	18.5	272P404B651K
0.0033	7.0	13.0	18.5	332P404B601K	8.0	14.0	18.5	332P404B651K
0.0039	7.0	13.5	18.5	392P404B601K	7.0	13.0	26.0	392P404B651K
0.0047	7.5	14.0	18.5	472P404B601K	7.5	13.5	26.0	472P404B651K
0.0056	8.0	15.0	18.5	562P404B601K	8.0	14.0	26.0	562P404B651K
0.0068	8.5	16.0	18.5	682P404B601K	8.5	15.5	26.0	682P404B651K
0.0082	7.0	13.0	26.0	822P404B601K	8.5	16.0	26.0	822P404B651K
0.01	8.0	14.5	26.0	103P404B601K	9.0	16.5	26.0	103P404B651K
0.012	8.5	15.5	26.0	123P404B601K	9.5	18.0	26.0	123P404B651K
0.015	9.0	17.0	26.0	153P404B601K	10.0	19.0	26.0	153P404B651K
0.018	9.5	18.0	26.0	183P404B601K	10.0	19.0	31.0	183P404B651K
0.022	10.0	19.0	26.0	223P404B601K	10.5	20.0	31.0	223P404B651K
0.027	10.0	19.0	31.0	273P404B601K	12.0	22.0	31.0	273P404B651K
0.033	10.5	20.0	31.0	333P404B601K	13.0	24.0	31.0	333P404B651K
0.039	11.5	21.0	31.0	393P404B601K	13.5	26.0	31.0	393P404B651K
0.047	12.0	22.0	31.0	473P404B601K	14.5	27.0	31.0	473P404B651K
0.056	13.0	24.0	31.0	563P404B601K	14.0	26.0	44.0	563P404B651K
0.068	14.5	27.0	31.0	683P404B601K	15.0	28.0	44.0	683P404B651K
0.082	15.0	28.0	31.0	823P404B601K	16.5	30.0	44.0	823P404B651K
0.10	17.0	30.0	31.0	104P404B601K	18.0	34.0	44.0	104P404B651K
0.12	14.5	27.0	44.0	124P404B601K				
0.15	16.5	30.0	44.0	154P404B601K				
0.18	17.5	33.0	44.0	184P404B601K				
0.22	19.5	36.0	44.0	224P404B601K				

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Metallized Polypropylene Axial Oval Wrap & Fill

TYPE: P406 Series



L	19.0	26.5	32.0	45.0
d	0.6	0.8	0.8	1.0

(mm)

CAP. (μF)	630VDC / 400VAC				1000VDC / 500VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	4.0	7.0	19.0	102P406B401K	4.0	7.0	19.0	102P406B501K
0.0012	4.0	7.0	19.0	122P406B401K	4.0	7.0	19.0	122P406B501K
0.0015	4.0	7.0	19.0	152P406B401K	4.0	7.0	19.0	152P406B501K
0.0018	4.0	7.0	19.0	182P406B401K	4.0	7.0	19.0	182P406B501K
0.0022	4.0	7.0	19.0	222P406B401K	4.0	7.5	19.0	222P406B501K
0.0027	4.0	7.0	19.0	272P406B401K	4.0	7.5	19.0	272P406B501K
0.0033	4.0	7.0	19.0	332P406B401K	4.5	8.0	19.0	332P406B501K
0.0039	4.0	7.5	19.0	392P406B401K	4.5	8.5	19.0	392P406B501K
0.0047	4.0	7.5	19.0	472P406B401K	5.0	9.0	19.0	472P406B501K
0.0056	4.5	8.0	19.0	562P406B401K	5.0	9.5	19.0	562P406B501K
0.0068	4.5	8.5	19.0	682P406B401K	5.5	10.0	19.0	682P406B501K
0.0082	5.0	9.0	19.0	822P406B401K	5.5	11.0	19.0	822P406B501K
0.01	5.0	9.5	19.0	103P406B401K	6.0	11.5	19.0	103P406B501K
0.012	5.0	10.0	19.0	123P406B401K	6.0	12.0	19.0	123P406B501K
0.015	5.5	11.0	19.0	153P406B401K	6.5	12.5	19.0	153P406B501K
0.018	6.0	11.5	19.0	183P406B401K	6.0	11.5	26.5	183P406B501K
0.022	6.0	12.0	19.0	223P406B401K	6.0	12.0	26.5	223P406B501K
0.027	5.5	11.0	26.5	273P406B401K	7.0	13.0	26.5	273P406B501K
0.033	6.0	12.0	26.5	333P406B401K	7.5	13.5	26.5	333P406B501K
0.039	6.0	12.5	26.5	393P406B401K	8.0	14.0	26.5	393P406B501K
0.047	6.5	12.5	26.5	473P406B401K	8.5	15.5	26.5	473P406B501K
0.056	7.5	13.5	26.5	563P406B401K	8.0	15.0	32.0	563P406B501K
0.068	8.0	14.5	26.5	683P406B401K	9.0	16.5	32.0	683P406B501K
0.082	8.0	14.5	32.0	823P406B401K	9.5	18.0	32.0	823P406B501K
0.10	8.5	15.5	32.0	104P406B401K	9.5	19.0	32.0	104P406B501K
0.12	9.0	17.0	32.0	124P406B401K	9.5	18.0	45.0	124P406B501K
0.15	9.5	18.5	32.0	154P406B401K	10.5	20.0	45.0	154P406B501K
0.18	10.0	20.0	32.0	184P406B401K	12.0	21.0	45.0	184P406B501K
0.22	11.5	21.5	32.0	224P406B401K	13.0	24.0	45.0	224P406B501K
0.27	9.5	19.0	45.0	274P406B401K	14.5	26.0	45.0	274P406B501K
0.33	10.5	21.0	45.0	334P406B401K	16.5	28.0	45.0	334P406B501K
0.39	12.5	22.5	45.0	394P406B401K	18.0	30.0	45.0	394P406B501K
0.47	13.0	24.0	45.0	474P406B401K	20.0	34.0	45.0	474P406B501K
0.56	14.5	25.5	45.0	564P406B401K	22.0	36.0	45.0	564P406B501K
0.68	16.0	27.0	45.0	684P406B401K	25.0	40.0	45.0	684P406B501K
0.82	18.0	30.0	45.0	824P406B401K				
1.0	21.0	35.0	45.0	105P406B401K				

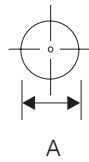
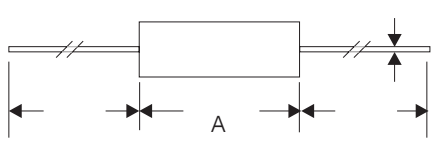
CAP. (μF)	1600VDC / 600VAC				2000VDC / 650 VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.001	4.5	8.0	19.0	102P406B601K	5.0	9.5	19.0	102P406B651K
0.0012	4.5	9.0	19.0	122P406B601K	5.0	10.0	19.0	122P406B651K
0.0015	5.0	9.0	19.0	152P406B601K	5.5	10.0	19.0	152P406B651K
0.0018	5.0	9.5	19.0	182P406B601K	5.5	10.5	19.0	182P406B651K
0.0022	5.0	10.0	19.0	222P406B601K	5.5	11.0	19.0	222P406B651K
0.0027	5.5	10.5	19.0	272P406B601K	6.0	11.5	19.0	272P406B651K
0.0033	5.5	11.0	19.0	332P406B601K	6.0	12.0	19.0	332P406B651K
0.0039	6.0	11.5	19.0	392P406B601K	5.5	10.0	26.5	392P406B651K
0.0047	6.0	12.0	19.0	472P406B601K	6.0	11.0	26.5	472P406B651K
0.0056	5.0	10.0	26.5	562P406B601K	6.0	12.0	26.5	562P406B651K
0.0068	5.5	11.0	26.5	682P406B601K	6.5	12.5	26.5	682P406B651K
0.0082	6.0	11.5	26.5	822P406B601K	7.0	13.0	26.5	822P406B651K
0.01	6.5	12.0	26.5	103P406B601K	7.5	14.0	26.5	103P406B651K
0.012	6.5	12.5	26.5	123P406B601K	8.0	15.0	26.5	123P406B651K
0.015	7.5	13.0	26.5	153P406B601K	9.0	16.5	26.5	153P406B651K
0.018	8.0	14.0	26.5	183P406B601K	8.5	15.0	32.0	183P406B651K
0.022	8.5	15.0	26.5	223P406B601K	9.0	16.5	32.0	223P406B651K
0.027	8.5	15.0	32.0	273P406B601K	9.5	18.0	32.0	273P406B651K
0.033	9.0	16.5	32.0	333P406B601K	10.0	19.0	32.0	333P406B651K
0.039	9.5	17.5	32.0	393P406B601K	10.0	19.0	45.0	393P406B651K
0.047	9.5	19.0	32.0	473P406B601K	10.5	20.0	45.0	473P406B651K
0.056	10.0	20.0	32.0	563P406B601K	11.5	21.5	45.0	563P406B651K
0.068	11.5	22.0	32.0	683P406B601K	12.5	22.5	45.0	683P406B651K
0.082	10.0	20.0	45.0	823P406B601K	13.5	24.5	45.0	823P406B651K
0.10	11.0	21.0	45.0	104P406B601K	15.5	26.5	45.0	104P406B651K
0.12	12.0	22.0	45.0	124P406B601K	17.0	28.0	45.0	124P406B651K
0.15	13.5	24.5	45.0	154P406B601K	19.5	32.0	45.0	154P406B651K
0.18	15.0	26.0	45.0	184P406B601K	22.0	36.0	45.0	184P406B651K
0.22	17.0	28.0	45.0	224P406B601K	23.0	38.0	45.0	224P406B651K
0.27	19.0	32.0	45.0	274P406B601K				
0.33	22.0	36.0	45.0	334P406B601K				
0.39	24.0	40.0	45.0	394P406B601K				
0.47	26.0	42.0	45.0	474P406B601K				

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Metallized Polypropylene Axial Round Wrap & Fill

TYPE: P408 Series



L	19.0	26.5	32.0	45.0
d	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	630VDC / 400VAC			1000VDC / 500VAC		
	D	L	Part No.	D	L	Part No.
0.001	5.5	19.0	102P408B401K	5.5	19.0	102P408B501K
0.0012	5.5	19.0	122P408B401K	5.5	19.0	122P408B501K
0.0015	5.5	19.0	152P408B401K	5.5	19.0	152P408B501K
0.0018	5.5	19.0	182P408B401K	6.0	19.0	182P408B501K
0.0022	5.5	19.0	222P408B401K	6.0	19.0	222P408B501K
0.0027	5.5	19.0	272P408B401K	6.5	19.0	272P408B501K
0.0033	5.5	19.0	332P408B401K	6.5	19.0	332P408B501K
0.0039	6.0	19.0	392P408B401K	7.0	19.0	392P408B501K
0.0047	6.5	19.0	472P408B401K	7.0	19.0	472P408B501K
0.0056	6.5	19.0	562P408B401K	7.5	19.0	562P408B501K
0.0068	7.0	19.0	682P408B401K	8.0	19.0	682P408B501K
0.0082	7.0	19.0	822P408B401K	8.0	19.0	822P408B501K
0.01	7.0	19.0	103P408B401K	8.5	19.0	103P408B501K
0.012	7.5	19.0	123P408B401K	9.0	19.0	123P408B501K
0.015	8.0	19.0	153P408B401K	9.5	19.0	153P408B501K
0.018	8.5	19.0	183P408B401K	9.0	26.5	183P408B501K
0.022	9.5	19.0	223P408B401K	9.0	26.5	223P408B501K
0.027	8.5	26.5	273P408B401K	10.0	26.5	273P408B501K
0.033	9.0	26.5	333P408B401K	10.5	26.5	333P408B501K
0.039	9.5	26.5	393P408B401K	11.5	26.5	393P408B501K
0.047	10.0	26.5	473P408B401K	12.5	26.5	473P408B501K
0.056	10.5	26.5	563P408B401K	12.0	32.0	563P408B501K
0.068	11.5	26.5	683P408B401K	13.0	32.0	683P408B501K
0.082	11.0	32.0	823P408B401K	14.0	32.0	823P408B501K
0.10	12.0	32.0	104P408B401K	15.0	32.0	104P408B501K
0.12	13.0	32.0	124P408B401K	14.5	45.0	124P408B501K
0.15	14.5	32.0	154P408B401K	16.0	45.0	154P408B501K
0.18	15.5	32.0	184P408B401K	17.0	45.0	184P408B501K
0.22	17.0	32.0	224P408B401K	18.5	45.0	224P408B501K
0.27	15.0	45.0	274P408B401K	20.5	45.0	274P408B501K
0.33	16.0	45.0	334P408B401K	22.5	45.0	334P408B501K
0.39	17.5	45.0	394P408B401K	24.0	45.0	394P408B501K
0.47	19.0	45.0	474P408B401K	26.5	45.0	474P408B501K
0.56	20.5	45.0	564P408B401K	29.0	45.0	564P408B501K
0.68	22.5	45.0	684P408B401K	32.0	45.0	684P408B501K
0.82	24.0	45.0	824P408B401K			
1.0	27.0	45.0	105P408B401K			
CAP. (μF)	1600VDC / 600VAC			2000VDC / 650 VAC		
	D	L	Part No.	D	L	Part No.
0.001	6.5	19.0	102P408B601K	7.5	19.0	102P408B651K
0.0012	7.0	19.0	122P408B601K	7.5	19.0	122P408B651K
0.0015	7.0	19.0	152P408B601K	8.0	19.0	152P408B651K
0.0018	7.5	19.0	182P408B601K	8.0	19.0	182P408B651K
0.0022	7.5	19.0	222P408B601K	8.5	19.0	222P408B651K
0.0027	8.0	19.0	272P408B601K	8.5	19.0	272P408B651K
0.0033	8.5	19.0	332P408B601K	9.0	19.0	332P408B651K
0.0039	8.5	19.0	392P408B601K	8.0	26.5	392P408B651K
0.0047	9.0	19.0	472P408B601K	8.5	26.5	472P408B651K
0.0056	8.0	26.5	562P408B601K	9.0	26.5	562P408B651K
0.0068	8.5	26.5	682P408B601K	9.5	26.5	682P408B651K
0.0082	9.0	26.5	822P408B601K	10.0	26.5	822P408B651K
0.01	9.5	26.5	103P408B601K	11.0	26.5	103P408B651K
0.012	10.0	26.5	123P408B601K	11.5	26.5	123P408B651K
0.015	10.5	26.5	153P408B601K	12.5	26.5	153P408B651K
0.018	11.0	26.5	183P408B601K	12.5	32.0	183P408B651K
0.022	12.0	26.5	223P408B601K	13.0	32.0	223P408B651K
0.027	12.0	32.0	273P408B601K	14.5	32.0	273P408B651K
0.033	12.5	32.0	333P408B601K	15.5	32.0	333P408B651K
0.039	13.5	32.0	393P408B601K	14.5	45.0	393P408B651K
0.047	14.5	32.0	473P408B601K	15.5	45.0	473P408B651K
0.056	15.5	32.0	563P408B601K	17.0	45.0	563P408B651K
0.068	17.0	32.0	683P408B601K	18.0	45.0	683P408B651K
0.082	15.0	45.0	823P408B601K	19.5	45.0	823P408B651K
0.10	16.5	45.0	104P408B601K	21.5	45.0	104P408B651K
0.12	17.5	45.0	124P408B601K	23.0	45.0	124P408B651K
0.15	19.0	45.0	154P408B601K	25.5	45.0	154P408B651K
0.18	21.0	45.0	184P408B601K	28.0	45.0	184P408B651K
0.22	23.0	45.0	224P408B601K	30.5	45.0	224P408B651K
0.27	25.0	45.0	274P408B601K			
0.33	28.0	45.0	334P408B601K			
0.39	31.0	45.0	394P408B601K			
0.47	34.0	45.0	474P408B601K			

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Polypropylene Film & Foil Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
P502	Radial Box	0.001 To 0.22	±1% To ±20%	3-129
P504	Radial Epoxy Dip	0.0001 To 0.47	±1% To ±20%	3-131
P506	Axial Oval Wrap & Fill	0.001 To 0.47	±1% To ±20%	3-133
P508	Axial Round Wrap & Fill	0.0001 To 0.47	±1% To ±20%	3-135

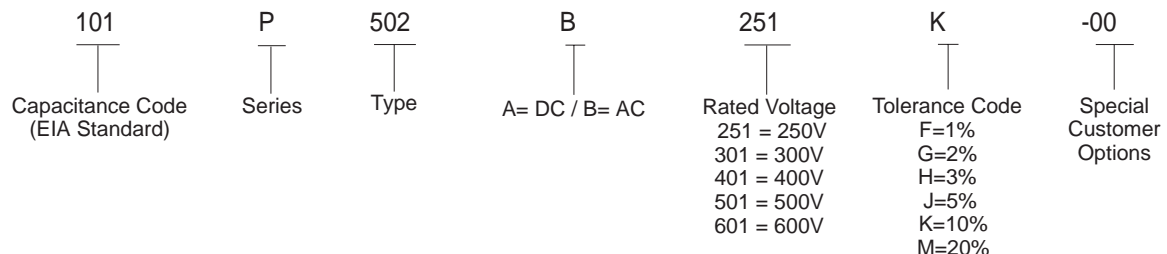
Features

- 1) Extended foil, internal with metallized polypropylene film series connection wound
- 2) High contact reliability and self healing properties
- 3) Low DF, Low ESR, and high insulation resistance
- 4) Suitable for high frequency
- 5) Negative temperature coefficient of capacitance

Applications

- 1) High voltage, very high current and high pulse operations
- 2) Deflection circuits and protection circuits in Amps
- 3) High reactive energy tuning, TV scanning, "Fly Back" converters
- 4) HV coupling, HF inverters and HF decoupling
- 5) Snubber and SCR commutating circuits

Part Numbering System



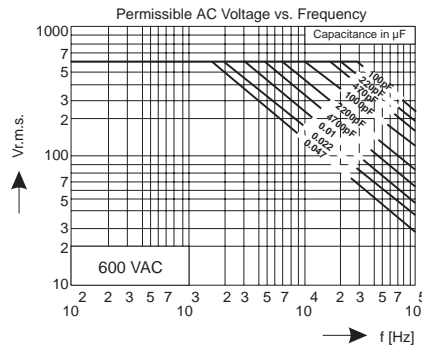
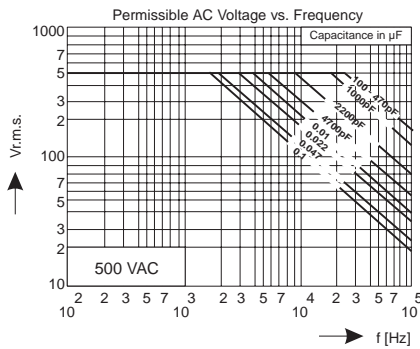
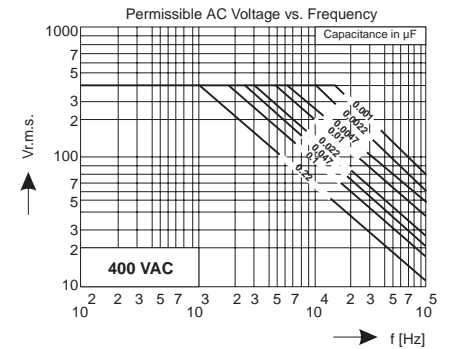
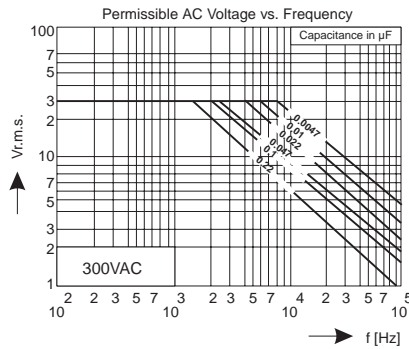
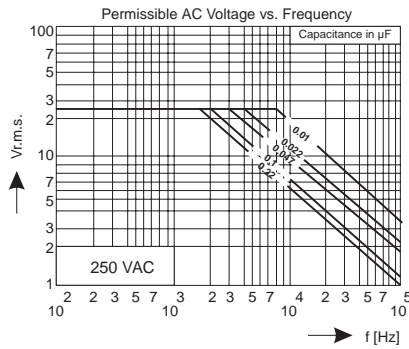
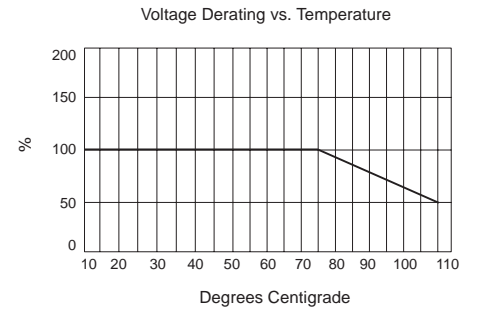
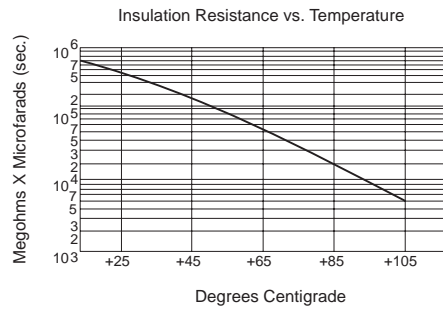
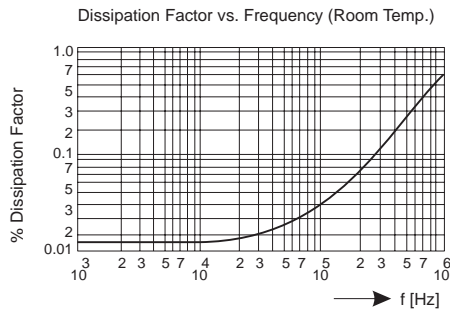
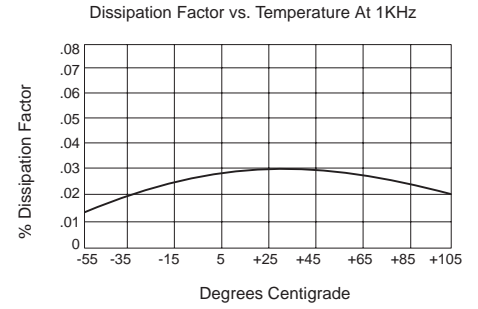
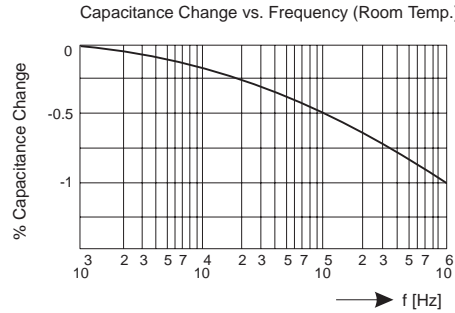
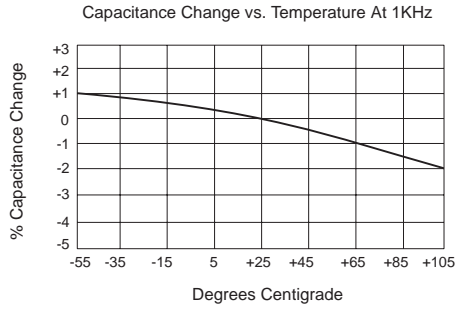
Specifications

- 1) Operating Temperature Range: -55°C To +85°C with full Rated Voltage applied, to +105°C with 50% voltage derating
- 2) Dissipation Factor: 0.1% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 400VDC/250VAC, 630VDC/300VAC, 1000VDC/400VAC, 1600VDC/500VAC, 2000VDC/600VAC at 60Hz (RMS)
- 4) Dielectric Strength: 250% of rated voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at rated DC voltage or 500VDC, the minimum IR shall be ≥100,000 Megohms for C≤0.33uF
≥30,000 Megohms X MFD(sec) for C>0.33uF
- 6) Capacitance Change: Temperature coefficient -200 (+50, -100) PPM/°C



Series Wound Polypropylene Film & Foil

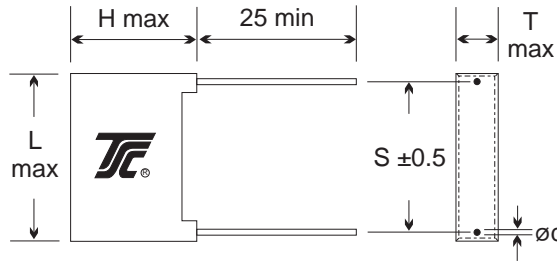
TYPE: P502, P504, P506, P508 Series





Series Wound Polypropylene Film & Foil Radial Box

TYPE: P502 Series



L	18.0	26.5	32.0
S	15.0	22.5	27.5
d	0.8	0.8	0.8

(mm)

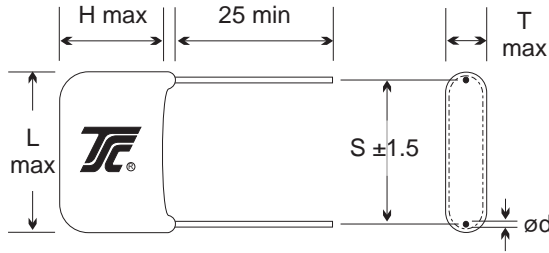
CAP. (µF)	400VDC / 250VAC				630VDC / 300VAC				1000VDC / 400VAC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001												
0.00012												
0.00015												
0.00018												
0.00022												
0.00027												
0.00033												
0.00039												
0.00047												
0.00056												
0.00068												
0.00082												
0.001	5.0	11.0	18.0	102P502B251K	5.0	11.0	18.0	102P502B301K	5.0	11.0	18.0	102P502B401K
0.0012	5.0	11.0	18.0	122P502B251K	5.0	11.0	18.0	122P502B301K	5.0	11.0	18.0	122P502B401K
0.0015	5.0	11.0	18.0	152P502B251K	5.0	11.0	18.0	152P502B301K	5.0	11.0	18.0	152P502B401K
0.0018	5.0	11.0	18.0	182P502B251K	5.0	11.0	18.0	182P502B301K	5.0	11.0	18.0	182P502B401K
0.0022	5.0	11.0	18.0	222P502B251K	5.0	11.0	18.0	222P502B301K	5.0	11.0	18.0	222P502B401K
0.0027	5.0	11.0	18.0	272P502B251K	5.0	11.0	18.0	272P502B301K	6.0	12.0	18.0	272P502B401K
0.0033	5.0	11.0	18.0	332P502B251K	5.0	11.0	18.0	332P502B301K	6.0	12.0	18.0	332P502B401K
0.0039	5.0	11.0	18.0	392P502B251K	5.0	11.0	18.0	392P502B301K	6.0	12.0	18.0	392P502B401K
0.0047	5.0	11.0	18.0	472P502B251K	5.0	11.0	18.0	472P502B301K	7.5	13.5	18.0	472P502B401K
0.0056	5.0	11.0	18.0	562P502B251K	5.0	11.0	18.0	562P502B301K	7.5	13.5	18.0	562P502B401K
0.0068	5.0	11.0	18.0	682P502B251K	6.0	12.0	18.0	682P502B301K	8.5	15.0	18.0	682P502B401K
0.0082	5.0	11.0	18.0	822P502B251K	6.0	12.0	18.0	822P502B301K	7.0	16.5	26.5	822P502B401K
0.01	5.0	11.0	18.0	103P502B251K	7.5	13.5	18.0	103P502B301K	7.0	16.5	26.5	103P502B401K
0.012	6.0	12.0	18.0	123P502B251K	7.5	13.5	18.0	123P502B301K	8.5	17.0	26.5	123P502B401K
0.015	6.0	12.0	18.0	153P502B251K	8.5	15.0	18.0	153P502B301K	8.5	17.0	26.5	153P502B401K
0.018	7.5	13.5	18.0	183P502B251K	7.0	16.5	26.5	183P502B301K	10.0	19.0	26.5	183P502B401K
0.022	8.5	15.0	18.0	223P502B251K	7.0	16.5	26.5	223P502B301K	10.0	19.0	26.5	223P502B401K
0.027	7.0	16.5	26.5	273P502B251K	8.5	17.0	26.5	273P502B301K	11.0	20.0	32.0	273P502B401K
0.033	7.0	16.5	26.5	333P502B251K	8.5	17.0	26.5	333P502B301K	11.0	20.0	32.0	333P502B401K
0.039	8.5	17.0	26.5	393P502B251K	10.0	19.0	26.5	393P502B301K	13.0	22.0	32.0	393P502B401K
0.047	8.5	17.0	26.5	473P502B251K	10.0	19.0	26.5	473P502B301K	13.0	22.0	32.0	473P502B401K
0.056	10.0	19.0	26.5	563P502B251K	11.0	20.0	32.0	563P502B301K	15.0	25.0	32.0	563P502B401K
0.068	10.0	19.0	26.5	683P502B251K	11.0	20.0	32.0	683P502B301K	18.0	30.0	32.0	683P502B401K
0.082	11.0	20.0	32.0	823P502B251K	13.0	22.0	32.0	823P502B301K	18.0	30.0	32.0	823P502B401K
0.1	11.0	20.0	32.0	104P502B251K	13.0	22.0	32.0	104P502B301K	18.0	30.0	32.0	104P502B401K
0.12	11.0	20.0	32.0	124P502B251K	15.0	25.0	32.0	124P502B301K				
0.15	13.0	22.0	32.0	154P502B251K	18.0	30.0	32.0	154P502B301K				
0.18	15.0	25.0	32.0	184P502B251K	18.0	30.0	32.0	184P502B301K				
0.22	18.0	30.0	32.0	224P502B251K	18.0	30.0	32.0	224P502B301K				
CAP. (µF)	1600VDC / 500VAC				2000VDC / 600VAC							
	T	H	L	Part No.	T	H	L	Part No.				
0.0001	5.0	11.0	18.0	101P502B501K	5.0	11.0	18.0	101P502B601K				
0.00012	5.0	11.0	18.0	121P502B501K	5.0	11.0	18.0	121P502B601K				
0.00015	5.0	11.0	18.0	151P502B501K	5.0	11.0	18.0	151P502B601K				
0.00018	5.0	11.0	18.0	181P502B501K	5.0	11.0	18.0	181P502B601K				
0.00022	5.0	11.0	18.0	221P502B501K	5.0	11.0	18.0	221P502B601K				
0.00027	5.0	11.0	18.0	271P502B501K	5.0	11.0	18.0	271P502B601K				
0.00033	5.0	11.0	18.0	331P502B501K	5.0	11.0	18.0	331P502B601K				
0.00039	5.0	11.0	18.0	391P502B501K	5.0	11.0	18.0	391P502B601K				
0.00047	5.0	11.0	18.0	471P502B501K	5.0	11.0	18.0	471P502B601K				
0.00056	5.0	11.0	18.0	561P502B501K	5.0	11.0	18.0	561P502B601K				
0.00068	5.0	11.0	18.0	681P502B501K	5.0	11.0	18.0	681P502B601K				
0.00082	5.0	11.0	18.0	821P502B501K	5.0	11.0	18.0	821P502B601K				
0.001	5.0	11.0	18.0	102P502B501K	5.0	11.0	18.0	102P502B601K				
0.0012	5.0	11.0	18.0	122P502B501K	6.0	12.0	18.0	122P502B601K				
0.0015	5.0	11.0	18.0	152P502B501K	6.0	12.0	18.0	152P502B601K				
0.0018	6.0	12.0	18.0	182P502B501K	7.5	13.5	18.0	182P502B601K				
0.0022	6.0	12.0	18.0	222P502B501K	7.5	13.5	18.0	222P502B601K				
0.0027	7.5	13.5	18.0	272P502B501K	7.0	16.5	26.5	272P502B601K				
0.0033	7.5	13.5	18.0	332P502B501K	7.0	16.5	26.5	332P502B601K				
0.0039	6.5	15.0	26.5	392P502B501K	7.0	16.5	26.5	392P502B601K				
0.0047	6.5	15.0	26.5	472P502B501K	8.5	17.0	26.5	472P502B601K				
0.0056	7.0	16.5	26.5	562P502B501K	8.5	17.0	26.5	562P502B601K				
0.0068	7.0	16.5	26.5	682P502B501K	10.0	19.0	26.5	682P502B601K				
0.0082	8.5	17.0	26.5	822P502B501K	11.0	20.0	32.0	822P502B601K				
0.01	10.0	19.0	26.5	103P502B501K	11.0	20.0	32.0	103P502B601K				
0.012	11.0	20.0	32.0	123P502B501K	11.0	20.0	32.0	123P502B601K				
0.015	11.0	20.0	32.0	153P502B501K	13.0	22.0	32.0	153P502B601K				
0.018	11.0	20.0	32.0	183P502B501K	13.0	22.0	32.0	183P502B601K				
0.022	13.0	22.0	32.0	223P502B501K	15.0	25.0	32.0	223P502B601K				
0.027	13.0	22.0	32.0	273P502B501K								
0.033	15.0	25.0	32.0	333P502B501K								
0.039	18.0	30.0	32.0	393P502B501K								
0.047	18.0	30.0	32.0	473P502B501K								

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Polypropylene Film & Foil Radial Epoxy Dipped

TYPE: P504 Series



L	18.0	26.0	31.0	44.0
S	15.0	22.5	27.5	38.0
d	0.8	0.8	0.8	0.8

(mm)

CAP. (µF)	400VDC / 250VAC				630VDC / 300VAC				1000VDC / 400VAC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.0001												
0.00012												
0.00015												
0.00018												
0.00022												
0.00027												
0.00033												
0.00039												
0.00047												
0.00056												
0.00068												
0.00082												
0.001	4.5	9.0	18.5	102P504B251K	4.5	9.0	18.5	102P504B301K	4.5	9.0	18.5	102P504B401K
0.0012	4.5	9.0	18.5	122P504B251K	4.5	9.0	18.5	122P504B301K	4.5	9.0	18.5	122P504B401K
0.0015	4.5	9.0	18.5	152P504B251K	4.5	9.0	18.5	152P504B301K	5.0	9.5	18.5	152P504B401K
0.0018	4.5	9.0	18.5	182P504B251K	4.5	9.0	18.5	182P504B301K	5.5	10.0	18.5	182P504B401K
0.0022	4.5	9.0	18.5	222P504B251K	4.5	9.0	18.5	222P504B301K	6.0	12.0	18.5	222P504B401K
0.0027	4.5	9.0	18.5	272P504B251K	4.5	9.0	18.5	272P504B301K	6.0	12.0	18.5	272P504B401K
0.0033	4.5	9.0	18.5	332P504B251K	4.5	9.0	18.5	332P504B301K	6.5	12.5	18.5	332P504B401K
0.0039	4.5	9.0	18.5	392P504B251K	5.0	10.0	18.5	392P504B301K	7.0	13.0	18.5	392P504B401K
0.0047	4.5	9.0	18.5	472P504B251K	5.5	10.5	18.5	472P504B301K	7.5	13.5	18.5	472P504B401K
0.0056	5.0	9.5	18.5	562P504B251K	5.5	11.0	18.5	562P504B301K	8.0	14.0	18.5	562P504B401K
0.0068	5.0	10.0	18.5	682P504B251K	6.0	12.0	18.5	682P504B301K	8.5	15.0	18.5	682P504B401K
0.0082	5.5	11.0	18.5	822P504B251K	6.5	12.5	18.5	822P504B301K	7.0	13.0	26.0	822P504B401K
0.01	6.0	12.0	18.5	103P504B251K	7.0	13.0	18.5	103P504B301K	7.5	14.0	26.0	103P504B401K
0.012	6.5	12.5	18.5	123P504B251K	7.5	14.0	18.5	123P504B301K	8.5	15.5	26.0	123P504B401K
0.015	7.0	13.0	18.5	153P504B251K	8.5	15.5	18.5	153P504B301K	9.0	16.5	26.0	153P504B401K
0.018	7.5	13.5	18.5	183P504B251K	7.5	13.5	26.0	183P504B301K	9.5	17.0	26.0	183P504B401K
0.022	8.5	15.0	18.5	223P504B251K	8.5	15.5	26.0	223P504B301K	10.5	20.0	26.0	223P504B401K
0.027	7.0	13.0	26.0	273P504B251K	9.0	16.0	26.0	273P504B301K	9.5	18.0	31.0	273P504B401K
0.033	8.0	14.0	26.0	333P504B251K	9.5	17.0	26.0	333P504B301K	10.5	20.0	31.0	333P504B401K
0.039	8.5	15.5	26.0	393P504B251K	9.5	18.0	26.0	393P504B301K	11.0	21.0	31.0	393P504B401K
0.047	9.0	16.5	26.0	473P504B251K	10.5	20.0	26.0	473P504B301K	12.5	22.0	31.0	473P504B401K
0.056	9.5	17.0	26.0	563P504B251K	9.5	18.0	31.0	563P504B301K	13.0	24.0	31.0	563P504B401K
0.068	9.5	18.0	26.0	683P504B251K	10.0	19.5	31.0	683P504B301K	14.0	25.5	31.0	683P504B401K
0.082	9.5	18.0	31.0	823P504B251K	11.5	21.0	31.0	823P504B301K	16.0	27.0	31.0	823P504B401K
0.1	10.0	19.0	31.0	104P504B251K	12.5	22.0	31.0	104P504B301K	18.0	32.0	31.0	104P504B401K
0.12	11.0	20.0	31.0	124P504B251K	13.5	24.0	31.0	124P504B301K	15.5	28.0	44.0	124P504B401K
0.15	12.0	22.0	31.0	154P504B251K	15.0	26.5	31.0	154P504B301K	17.0	32.0	44.0	154P504B401K
0.18	13.0	24.0	31.0	184P504B251K	16.5	28.0	31.0	184P504B301K	19.0	35.0	44.0	184P504B401K
0.22	14.5	26.0	31.0	224P504B251K	18.5	33.0	31.0	224P504B301K	21.0	37.0	44.0	224P504B401K
0.27	16.0	29.0	31.0	274P504B251K	16.0	29.0	44.0	274P504B301K				
0.33	18.0	32.0	31.0	334P504B251K	17.5	33.0	44.0	334P504B301K				
0.39	15.0	27.0	44.0	394P504B251K	19.0	35.0	44.0	394P504B301K				
0.47	16.5	30.0	44.0	474P504B251K	21.0	37.0	44.0	474P504B301K				

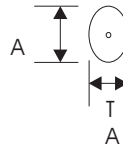
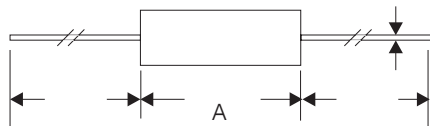
CAP. (µF)	1600VDC / 500VAC				2000VDC / 600VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.5	9.0	18.5	101P504B501K	5.0	10.0	18.5	101P504B601K
0.00012	4.5	9.0	18.5	121P504B501K	5.0	10.0	18.5	121P504B601K
0.00015	4.5	9.0	18.5	151P504B501K	5.0	10.0	18.5	151P504B601K
0.00018	4.5	9.0	18.5	181P504B501K	5.0	10.0	18.5	181P504B601K
0.00022	4.5	9.0	18.5	221P504B501K	5.0	10.0	18.5	221P504B601K
0.00027	4.5	9.0	18.5	271P504B501K	5.0	10.0	18.5	271P504B601K
0.00033	4.5	9.0	18.5	331P504B501K	5.0	10.0	18.5	331P504B601K
0.00039	4.5	9.0	18.5	391P504B501K	5.0	10.0	18.5	391P504B601K
0.00047	4.5	9.0	18.5	471P504B501K	5.5	11.0	18.5	471P504B601K
0.00056	4.5	9.0	18.5	561P504B501K	5.5	11.0	18.5	561P504B601K
0.00068	4.5	9.0	18.5	681P504B501K	5.5	11.0	18.5	681P504B601K
0.00082	4.5	9.0	18.5	821P504B501K	5.5	11.0	18.5	821P504B601K
0.001	5.0	10.0	18.5	102P504B501K	6.0	12.0	18.5	102P504B601K
0.0012	5.5	10.0	18.5	122P504B501K	6.5	12.0	18.5	122P504B601K
0.0015	5.5	11.0	18.5	152P504B501K	7.0	13.0	18.5	152P504B601K
0.0018	6.0	12.0	18.5	182P504B501K	7.5	13.0	18.5	182P504B601K
0.0022	6.5	12.5	18.5	222P504B501K	8.0	14.0	18.5	222P504B601K
0.0027	7.0	13.0	18.5	272P504B501K	7.0	13.0	26.0	272P504B601K
0.0033	7.5	13.5	18.5	332P504B501K	7.5	13.5	26.0	332P504B601K
0.0039	6.5	12.5	26.0	392P504B501K	8.0	14.5	26.0	392P504B601K
0.0047	7.0	13.0	26.0	472P504B501K	8.5	16.0	26.0	472P504B601K
0.0056	7.5	13.5	26.0	562P504B501K	9.0	16.5	26.0	562P504B601K
0.0068	8.0	14.5	26.0	682P504B501K	9.5	18.0	26.0	682P504B601K
0.0082	8.5	16.0	26.0	822P504B501K	9.0	16.5	31.0	822P504B601K
0.01	9.0	17.0	26.0	103P504B501K	9.5	17.5	31.0	103P504B601K
0.012	8.5	16.0	31.0	123P504B501K	10.0	19.0	31.0	123P504B601K
0.015	9.5	17.0	31.0	153P504B501K	11.0	21.0	31.0	153P504B601K
0.018	10.0	19.0	31.0	183P504B501K	12.0	22.0	31.0	183P504B601K
0.022	11.0	20.5	31.0	223P504B501K	13.0	24.0	31.0	223P504B601K
0.027	12.0	22.0	31.0	273P504B501K	14.5	26.0	31.0	273P504B601K
0.033	13.0	24.0	31.0	333P504B501K	16.5	28.0	31.0	333P504B601K
0.039	14.0	26.0	31.0	393P504B501K	14.0	26.0	44.0	393P504B601K
0.047	16.5	28.0	31.0	473P504B501K	15.0	28.0	44.0	473P504B601K
0.056	13.5	25.0	44.0	563P504B501K				
0.068	15.0	27.5	44.0	683P504B501K				
0.082	16.5	30.0	44.0	823P504B501K				
0.10	18.0	34.0	44.0	104P504B501K				

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Polypropylene Film & Foil Axial Oval Wrap & Film

TYPE: P506 Series



L	19.0	26.5	32.0	45.0
d	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	400VDC / 250VAC				630VDC / 300VAC				1000VDC / 400VAC			
	T	H	L	Part No.	T	H	L	Part No.	T	H	L	Part No.
0.001	3.5	6.5	19.0	102P506B251K	3.5	6.5	19.0	102P506B301K	3.5	6.5	19.0	102P506B401K
0.0012	3.5	6.5	19.0	122P506B251K	3.5	6.5	19.0	122P506B301K	3.5	6.5	19.0	122P506B401K
0.0015	3.5	6.5	19.0	152P506B251K	3.5	6.5	19.0	152P506B301K	3.5	6.5	19.0	152P506B401K
0.0018	3.5	6.5	19.0	182P506B251K	3.5	6.5	19.0	182P506B301K	4.0	7.5	19.0	182P506B401K
0.0022	3.5	6.5	19.0	222P506B251K	3.5	6.5	19.0	222P506B301K	4.5	8.0	19.0	222P506B401K
0.0027	3.5	6.5	19.0	272P506B251K	3.5	6.5	19.0	272P506B301K	4.5	8.5	19.0	272P506B401K
0.0033	3.5	6.5	19.0	332P506B251K	3.5	6.5	19.0	332P506B301K	5.0	9.5	19.0	332P506B401K
0.0039	3.5	6.5	19.0	392P506B251K	4.0	7.0	19.0	392P506B301K	5.0	10.5	19.0	392P506B401K
0.0047	3.5	6.5	19.0	472P506B251K	4.5	7.5	19.0	472P506B301K	5.5	11.0	19.0	472P506B401K
0.0056	4.0	7.0	19.0	562P506B251K	4.5	8.0	19.0	562P506B301K	6.0	11.5	19.0	562P506B401K
0.0068	4.0	7.5	19.0	682P506B251K	5.0	9.0	19.0	682P506B301K	6.5	12.0	19.0	682P506B401K
0.0082	4.5	8.0	19.0	822P506B251K	5.0	10.0	19.0	822P506B301K	5.5	11.0	26.5	822P506B401K
0.01	5.0	9.0	19.0	103P506B251K	5.5	11.0	19.0	103P506B301K	6.0	12.0	26.5	103P506B401K
0.012	5.0	10.0	19.0	123P506B251K	6.0	12.0	19.0	123P506B301K	6.5	12.5	26.5	123P506B401K
0.015	5.5	11.0	19.0	153P506B251K	6.5	12.5	19.0	153P506B301K	7.5	13.0	26.5	153P506B401K
0.018	6.0	12.0	19.0	183P506B251K	6.0	11.0	26.5	183P506B301K	6.5	12.5	32.0	183P506B401K
0.022	6.5	12.5	19.0	223P506B251K	6.5	12.5	26.5	223P506B301K	7.5	13.5	32.0	223P506B401K
0.027	5.5	11.0	26.5	273P506B251K	7.5	13.0	26.5	273P506B301K	8.0	14.0	32.0	273P506B401K
0.033	6.0	12.0	26.5	333P506B251K	8.0	14.0	26.5	333P506B301K	9.0	16.5	32.0	333P506B401K
0.039	6.5	12.5	26.5	393P506B251K	7.0	13.0	32.0	393P506B301K	9.5	17.0	32.0	393P506B401K
0.047	7.5	13.5	26.5	473P506B251K	7.5	13.5	32.0	473P506B301K	9.5	19.0	32.0	473P506B401K
0.056	8.0	14.0	26.5	563P506B251K	8.0	15.0	32.0	563P506B301K	10.5	20.0	32.0	563P506B401K
0.068	8.5	15.0	26.5	683P506B251K	9.0	16.5	32.0	683P506B301K	12.0	22.0	32.0	683P506B401K
0.082	8.0	14.0	32.0	823P506B251K	9.5	17.5	32.0	823P506B301K	10.0	20.0	45.0	823P506B401K
0.1	8.5	15.5	32.0	104P506B251K	9.5	19.0	32.0	104P506B301K	11.5	21.5	45.0	104P506B401K
0.12	9.0	17.0	32.0	124P506B251K	9.0	17.0	45.0	124P506B301K	13.0	24.0	45.0	124P506B401K
0.15	9.5	19.0	32.0	154P506B251K	9.5	19.0	45.0	154P506B301K	14.0	26.0	45.0	154P506B401K
0.18	9.0	17.0	45.0	184P506B251K	10.5	20.0	45.0	184P506B301K	16.5	28.0	45.0	184P506B401K
0.22	9.5	18.0	45.0	224P506B251K	12.0	22.0	45.0	224P506B301K	18.0	30.0	45.0	224P506B401K
0.27	10.0	20.0	45.0	274P506B251K	13.0	24.0	45.0	274P506B301K				
0.33	11.5	24.5	45.0	334P506B251K	15.0	26.0	45.0	334P506B301K				
0.39	12.5	22.5	45.0	394P506B251K	16.5	28.0	45.0	394P506B301K				
0.47	13.5	25.0	45.0	474P506B251K	18.5	32.0	45.0	474P506B301K				

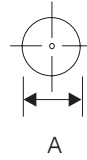
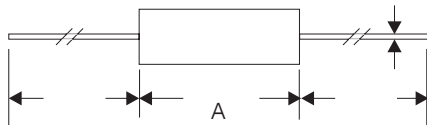
CAP. (μF)	1600VDC / 500VAC				2000VDC / 600VAC			
	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	7.5	19.0	102P506B501K	4.5	8.5	19.0	102P506B601K
0.00012	4.0	8.0	19.0	122P506B501K	5.0	9.5	19.0	122P506B601K
0.00015	4.5	9.0	19.0	152P506B501K	5.5	10.0	19.0	152P506B601K
0.00018	5.0	9.0	19.0	182P506B501K	6.0	11.0	19.0	182P506B601K
0.00022	5.0	10.0	19.0	222P506B501K	6.0	12.0	19.0	222P506B601K
0.00027	5.5	11.0	19.0	272P506B501K	5.5	11.0	26.5	272P506B601K
0.00033	6.0	11.5	19.0	332P506B501K	6.0	11.5	26.5	332P506B601K
0.00039	5.0	10.0	26.5	392P506B501K	6.5	12.0	26.5	392P506B601K
0.00047	5.5	11.0	26.5	472P506B501K	7.0	13.0	26.5	472P506B601K
0.00056	6.0	12.0	26.5	562P506B501K	7.5	13.5	26.5	562P506B601K
0.00068	6.5	12.5	26.5	682P506B501K	8.0	14.0	26.5	682P506B601K
0.00082	7.0	13.0	26.5	822P506B501K	7.5	13.5	32.0	822P506B601K
0.001	7.5	14.0	26.5	103P506B501K	8.0	14.0	32.0	103P506B601K
0.0012	7.0	13.0	32.0	123P506B501K	8.5	15.5	32.0	123P506B601K
0.0015	8.0	14.0	32.0	153P506B501K	9.0	17.0	32.0	153P506B601K
0.0018	8.5	15.5	32.0	183P506B501K	9.5	19.0	32.0	183P506B601K
0.0022	9.0	17.0	32.0	223P506B501K	10.5	20.0	32.0	223P506B601K
0.0027	9.5	18.0	32.0	273P506B501K	9.5	18.0	45.0	273P506B601K
0.0033	10.5	20.0	32.0	333P506B501K	10.5	20.0	45.0	333P506B601K
0.0039	9.5	18.0	45.0	393P506B501K	11.5	21.5	45.0	393P506B601K
0.0047	10.0	20.0	45.0	473P506B501K	12.5	23.0	45.0	473P506B601K
0.0056	11.0	21.0	45.0	563P506B501K				
0.0068	12.5	23.0	45.0	683P506B501K				
0.0082	13.5	25.0	45.0	823P506B501K				
0.01	15.0	28.0	45.0	104P506B501K				

*Other Values, Voltages, And Dimensions Are Available On Request



Series Wound Polypropylene Film & Foil Axial Round Wrap & Film

TYPE: P508 Series



L	19.0	26.5	32.0	45.0
d	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	400VDC / 250VAC			630VDC / 300VAC			1000VDC / 400VAC		
	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.0001									
0.00012									
0.00015									
0.00018									
0.00022									
0.00027									
0.00033									
0.00039									
0.00047									
0.00056									
0.00068									
0.00082									
0.001	5.5	19.0	102P508B251K	5.5	19.0	102P508B301K	5.5	19.0	102P508B401K
0.0012	5.5	19.0	122P508B251K	5.5	19.0	122P508B301K	5.5	19.0	122P508B401K
0.0015	5.5	19.0	152P508B251K	5.5	19.0	152P508B301K	6.0	19.0	152P508B401K
0.0018	5.5	19.0	182P508B251K	5.5	19.0	182P508B301K	6.0	19.0	182P508B401K
0.0022	5.5	19.0	222P508B251K	5.5	19.0	222P508B301K	6.5	19.0	222P508B401K
0.0027	5.5	19.0	272P508B251K	5.5	19.0	272P508B301K	7.0	19.0	272P508B401K
0.0033	5.5	19.0	332P508B251K	5.5	19.0	332P508B301K	7.5	19.0	332P508B401K
0.0039	5.5	19.0	392P508B251K	6.0	19.0	392P508B301K	8.0	19.0	392P508B401K
0.0047	5.5	19.0	472P508B251K	6.5	19.0	472P508B301K	8.5	19.0	472P508B401K
0.0056	5.5	19.0	562P508B251K	6.5	19.0	562P508B301K	9.0	19.0	562P508B401K
0.0068	6.0	19.0	682P508B251K	7.0	19.0	682P508B301K	9.5	19.0	682P508B401K
0.0082	6.5	19.0	822P508B251K	7.5	19.0	822P508B301K	8.5	26.5	822P508B401K
0.01	7.0	19.0	103P508B251K	8.5	19.0	103P508B301K	9.0	26.5	103P508B401K
0.012	7.5	19.0	123P508B251K	9.0	19.0	123P508B301K	9.5	26.5	123P508B401K
0.015	8.0	19.0	153P508B251K	9.5	19.0	153P508B301K	10.5	26.5	153P508B401K
0.018	8.5	19.0	183P508B251K	8.5	26.5	183P508B301K	10.0	32.0	183P508B401K
0.022	9.5	19.0	223P508B251K	9.5	26.5	223P508B301K	11.0	32.0	223P508B401K
0.027	8.5	26.5	273P508B251K	10.0	26.5	273P508B301K	12.0	32.0	273P508B401K
0.033	9.0	26.5	333P508B251K	11.0	26.5	333P508B301K	13.0	32.0	333P508B401K
0.039	9.5	26.5	393P508B251K	10.0	32.0	393P508B301K	13.5	32.0	393P508B401K
0.047	10.5	26.5	473P508B251K	11.0	32.0	473P508B301K	15.0	32.0	473P508B401K
0.056	11.0	26.5	563P508B251K	12.0	32.0	563P508B301K	16.0	32.0	563P508B401K
0.068	12.0	26.5	683P508B251K	12.5	32.0	683P508B301K	16.5	32.0	683P508B401K
0.082	11.0	32.0	823P508B251K	14.0	32.0	823P508B301K	15.5	45.0	823P508B401K
0.1	12.0	32.0	104P508B251K	15.0	32.0	104P508B301K	17.0	45.0	104P508B401K
0.12	13.0	32.0	124P508B251K	14.0	45.0	124P508B301K	18.0	45.0	124P508B401K
0.15	14.5	32.0	154P508B251K	15.0	45.0	154P508B301K	20.0	45.0	154P508B401K
0.18	14.0	45.0	184P508B251K	16.0	45.0	184P508B301K	22.5	45.0	184P508B401K
0.22	14.5	45.0	224P508B251K	17.5	45.0	224P508B301K	24.0	45.0	224P508B401K
0.27	15.5	45.0	274P508B251K	19.0	45.0	274P508B301K			
0.33	17.0	45.0	334P508B251K	21.0	45.0	334P508B301K			
0.39	18.0	45.0	394P508B251K	22.5	45.0	394P508B301K			
0.47	19.5	45.0	474P508B251K	24.5	45.0	474P508B301K			
1600VDC / 500VAC									
CAP. (μF)	D	L	Part No.	D	L	Part No.	D	L	Part No.
0.0001	6.0	19.0	101P508B501K	6.0	19.0	101P508B601K	6.0	19.0	101P508B601K
0.00012	6.0	19.0	121P508B501K	6.0	19.0	121P508B601K	6.0	19.0	121P508B601K
0.00015	6.0	19.0	151P508B501K	6.0	19.0	151P508B601K	6.0	19.0	151P508B601K
0.00018	6.0	19.0	181P508B501K	6.0	19.0	181P508B601K	6.0	19.0	181P508B601K
0.00022	6.0	19.0	221P508B501K	6.0	19.0	221P508B601K	6.0	19.0	221P508B601K
0.00027	6.0	19.0	271P508B501K	6.0	19.0	271P508B601K	6.0	19.0	271P508B601K
0.00033	6.0	19.0	331P508B501K	6.0	19.0	331P508B601K	6.0	19.0	331P508B601K
0.00039	6.0	19.0	391P508B501K	6.0	19.0	391P508B601K	6.0	19.0	391P508B601K
0.00047	6.0	19.0	471P508B501K	6.5	19.0	471P508B601K	6.5	19.0	471P508B601K
0.00056	6.0	19.0	561P508B501K	6.5	19.0	561P508B601K	6.5	19.0	561P508B601K
0.00068	6.0	19.0	681P508B501K	6.5	19.0	681P508B601K	6.5	19.0	681P508B601K
0.00082	6.0	19.0	821P508B501K	6.5	19.0	821P508B601K	6.5	19.0	821P508B601K
0.001	6.0	19.0	102P508B501K	7.0	19.0	102P508B601K	7.0	19.0	102P508B601K
0.0012	6.5	19.0	122P508B501K	7.5	19.0	122P508B601K	7.5	19.0	122P508B601K
0.0015	7.0	19.0	152P508B501K	8.0	19.0	152P508B601K	8.0	19.0	152P508B601K
0.0018	7.0	19.0	182P508B501K	8.5	19.0	182P508B601K	8.5	19.0	182P508B601K
0.0022	7.5	19.0	222P508B501K	9.0	19.0	222P508B601K	9.0	19.0	222P508B601K
0.0027	8.0	19.0	272P508B501K	8.0	19.0	272P508B601K	8.0	19.0	272P508B601K
0.0033	8.5	19.0	332P508B501K	8.5	26.5	332P508B601K	8.5	26.5	332P508B601K
0.0039	8.0	26.5	392P508B501K	9.5	26.5	392P508B601K	9.5	26.5	392P508B601K
0.0047	8.5	26.5	472P508B501K	10.0	26.5	472P508B601K	10.0	26.5	472P508B601K
0.0056	9.0	26.5	562P508B501K	10.5	26.5	562P508B601K	10.5	26.5	562P508B601K
0.0068	9.5	26.5	682P508B501K	11.0	26.5	682P508B601K	11.0	26.5	682P508B601K
0.0082	10.0	26.5	822P508B501K	10.5	26.5	822P508B601K	10.5	26.5	822P508B601K
0.01	11.0	26.5	103P508B501K	11.5	32.0	103P508B601K	11.5	32.0	103P508B601K
0.012	10.0	32.0	123P508B501K	12.5	32.0	123P508B601K	12.5	32.0	123P508B601K
0.015	11.5	32.0	153P508B501K	13.5	32.0	153P508B601K	13.5	32.0	153P508B601K
0.018	12.5	32.0	183P508B501K	14.5	32.0	183P508B601K	14.5	32.0	183P508B601K
0.022	13.5	32.0	223P508B501K	16.0	32.0	223P508B601K	16.0	32.0	223P508B601K
0.027	14.5	32.0	273P508B501K	14.5	45.0	273P508B601K	14.5	45.0	273P508B601K
0.033	16.0	32.0	333P508B501K	16.0	45.0	333P508B601K	16.0	45.0	333P508B601K
0.039	14.5	45.0	393P508B501K	17.0	45.0	393P508B601K	17.0	45.0	393P508B601K
0.047	15.5	45.0	473P508B501K	18.0	45.0	473P508B601K	18.0	45.0	473P508B601K
0.056	16.5	45.0	563P508B501K						
0.068	18.0	45.0	683P508B501K						
0.082	19.5	45.0	823P508B501K						
0.10	21.5	45.0	104P508B501K						

*Other Values, Voltages, And Dimensions Are Available On Request



Low ESR Metallized Polypropylene Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
P606	Axial Oval Wrap & Fill	1.0 To 30.0	±5% To ±20%	3-140
P608	Axial Round Wrap & Fill	1.0 To 30.0	±5% To ±20%	3-141

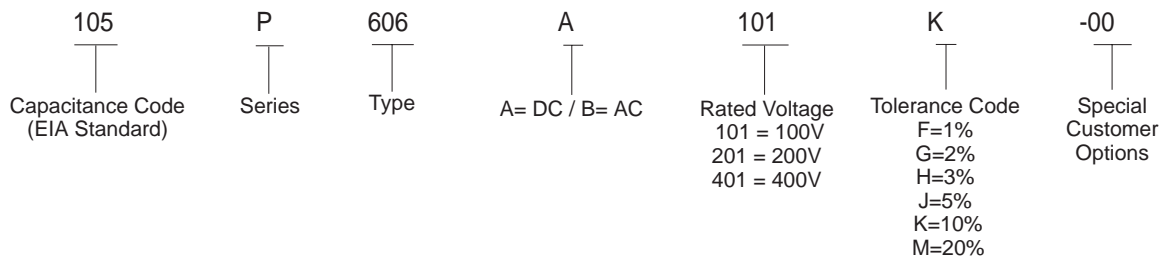
Features

- 1) Extended foil, non-inductive construction
- 2) Self healing properties
- 3) Low dissipation factor, and very low ESR values
- 4) High insulation and high Q
- 5) Low dielectric absorption
- 6) High current-up to 15 Amps
- 7) Extreme stability
- 8) Special high current termination

Applications

- 1) HI-Frequency transformer DC blocking
- 2) HI-Current input and output filtering
- 3) HI-Frequency switching power supplies
- 4) HI-AC current and pulse designs
- 5) High Q tuned circuits
- 6) Pulse networks and RC circuits

Part Numbering System



Specifications

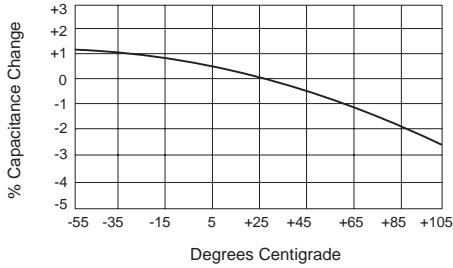
- 1) Operating Temperature Range: -55°C To +105°C with full Rated Voltage applied
- 2) Dissipation Factor: 0.1% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 100VDC, 200VDC, 400VDC
- 4) Dielectric Strength: 200% of rated voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification 100VDC, the minimum IR shall be ≥100,000 Megohms X MFD (sec)
- 6) Equivalent Series Resistance: Maximum ESR in milliohm measured at 100KHz and +25°C
- 7) Dielectric Absorption: 0.05% Maximum dielectric absorption at +25°C
- 8) Capacitance Change: Temperature coefficient -200 (+50, -100) PPM/°C



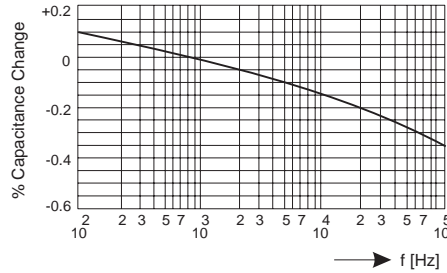
Low ESR Metallized Polypropylene

TYPE: P606, P608 Series

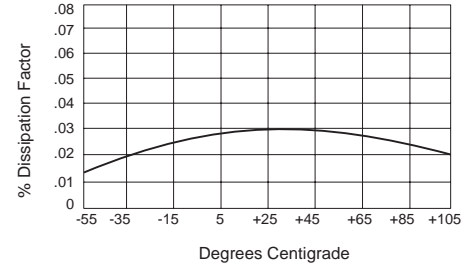
Capacitance Change vs. Temperature At 1KHz



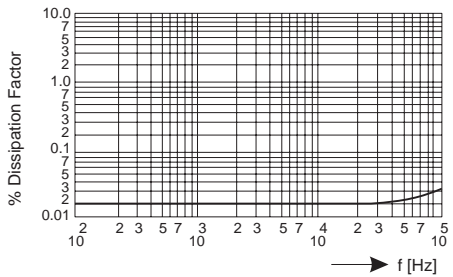
Capacitance Change vs. Frequency (Room Temp.)



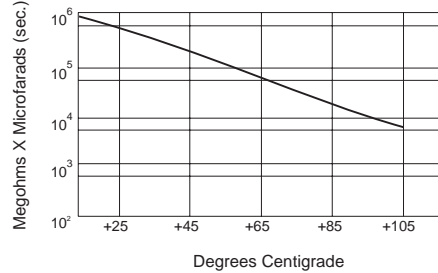
Dissipation Factor vs. Temperature At 1KHz



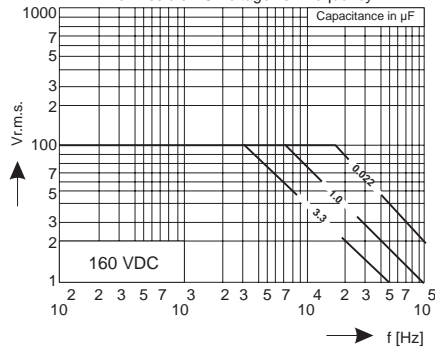
Dissipation Factor vs. Frequency (Room Temp.)



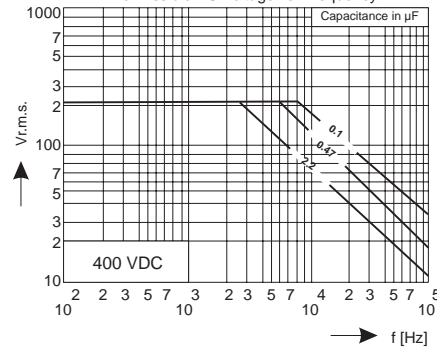
Insulation Resistance vs. Temperature



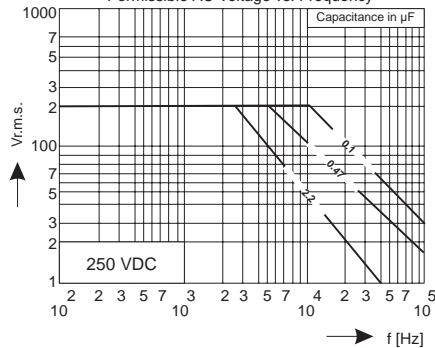
Permissible AC Voltage vs. Frequency



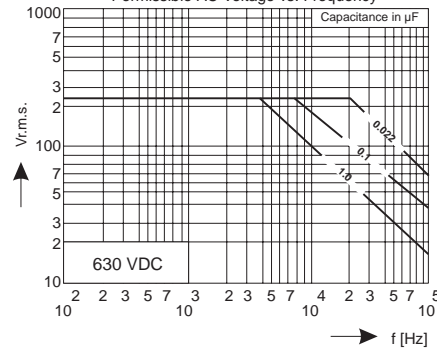
Permissible AC Voltage vs. Frequency



Permissible AC Voltage vs. Frequency



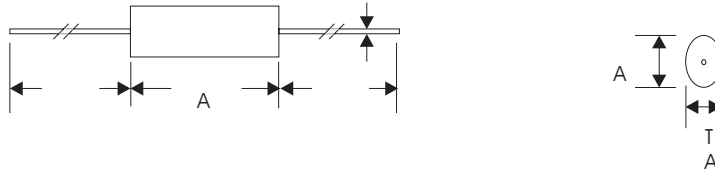
Permissible AC Voltage vs. Frequency





Low ESR Metallized Polypropylene Axial Oval Wrap & Fill

TYPE: P606 Series



(mm)

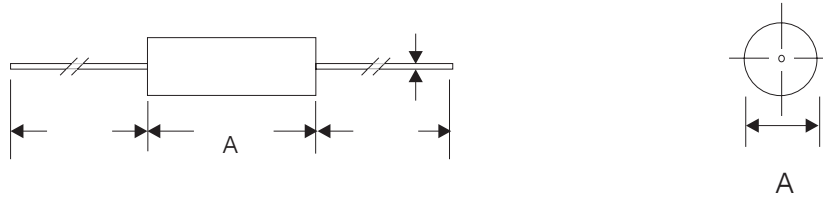
CAP. (μ F)	100 VDC					20 - 100KHZ ESR MAX: (milliohms)	RIPPLE CURRENT (Amps RMS) 20 - 100KHZ CASE TEMPERATURE ($^{\circ}$ C)						
	T	H	L	d	Part No.		+25	+35	+45	+55	+65	+75	+85
1.0	8.5	15.0	19.0	0.8	105P606A101K	15	9.2	8.5	7.8	7.0	6.0	4.9	4.5
2.0	10.0	18.0	24.5	0.8	205P606A101K	12	10.8	10.0	9.1	8.2	7.0	5.8	5.3
3.0	13.5	22.0	24.5	0.8	305P606A101K	11	12.1	11.2	10.3	9.2	8.0	6.5	5.9
5.0	13.5	22.0	32.0	1.0	505P606A101K	10	13.8	12.7	11.6	10.4	9.0	7.4	6.7
10.0	17.5	25.0	38.0	1.0	106P606A101K	9	15.0	15.0	14.2	12.7	11.0	9.0	8.2
20.0	20.0	28.0	58.0	1.0	206P606A101K	8	15.0	15.0	15.0	15.0	13.6	11.1	10.0
30.0	24.5	33.0	58.0	1.0	306P606A101K	6	15.0	15.0	15.0	15.0	15.0	12.4	11.4
CAP. (μ F)	200 VDC					20 - 100KHZ ESR MAX: (milliohms)	RIPPLE CURRENT (Amps RMS) 20 - 100KHZ CASE TEMPERATURE ($^{\circ}$ C)						
	T	H	L	d	Part No.		+25	+35	+45	+55	+65	+75	+85
1.0	9.0	16.0	32.0	0.8	105P606A201K	20	7.3	7.3	7.3	7.3	7.2	5.9	5.4
2.0	12.5	20.0	32.0	0.8	205P606A201K	15	12.0	12.0	11.3	10.1	8.7	7.1	6.5
3.0	13.5	22.0	38.0	1.0	305P606A201K	13	15.0	13.8	12.6	11.3	9.8	8.0	7.3
5.0	17.0	25.0	45.0	1.0	505P606A201K	11	15.0	15.0	14.7	13.1	11.4	9.3	8.5
10.0	21.0	30.0	58.0	1.0	106P606A201K	9	15.0	15.0	15.0	15.0	13.8	11.3	10.3
20.0	30.0	40.0	58.0	1.0	206P606A201K	6	15.0	15.0	15.0	15.0	15.0	14.1	12.8
CAP. (μ F)	400 VDC					20 - 100KHZ ESR MAX: (milliohms)	RIPPLE CURRENT (Amps RMS) 20 - 100KHZ CASE TEMPERATURE ($^{\circ}$ C)						
	T	H	L	d	Part No.		+25	+35	+45	+55	+65	+75	+85
1.0	10.5	19.0	38.0	0.8	105P606A401K	19	9.5	9.5	9.5	9.5	9.5	7.8	7.1
2.0	14.0	23.0	45.0	1.0	205P606A401K	15	15.0	15.0	15.0	13.4	11.6	9.5	8.7
3.0	18.0	26.0	45.0	1.0	305P606A401K	12	15.0	15.0	15.0	15.0	13.1	10.7	9.8
5.0	20.5	30.0	58.0	1.0	505P606A401K	10	15.0	15.0	15.0	15.0	15.0	12.5	11.4
10.0	26.0	36.0	58.0	1.0	106P606A401K	6	15.0	15.0	15.0	15.0	15.0	15.0	14.1

*Other Values, Voltages, And Dimensions Are Available On Request



Low ESR Metallized Polypropylene Axial Round Wrap & Fill

TYPE: P608 Series



(mm)

CAP. (μ F)	100 VDC				20 - 100KHZ ESR MAX: (milliohms)	RIPPLE CURRENT (Amps RMS) 20 - 100KHZ CASE TEMPERATURE ($^{\circ}$ C)						
	D	L	d	Part No.		+25	+35	+45	+55	+65	+75	+85
1.0	12.5	19.0	0.8	105P608A101K	15	9.2	8.5	7.8	7.0	6.0	4.9	4.5
2.0	14.5	24.5	0.8	205P608A101K	12	10.8	10.0	9.1	8.2	7.0	5.8	5.3
3.0	18.0	24.5	0.8	305P608A101K	11	12.1	11.2	10.3	9.2	8.0	6.5	5.9
5.0	18.5	32.0	1.0	505P608A101K	10	13.8	12.7	11.6	10.4	9.0	7.4	6.7
10.0	22.5	38.0	1.0	106P608A101K	9	15.0	15.0	14.2	12.7	11.0	9.0	8.2
20.0	25.0	58.0	1.0	206P608A101K	8	15.0	15.0	15.0	15.0	13.6	11.1	10.0
30.0	30.5	58.0	1.0	306P608A101K	6	15.0	15.0	15.0	15.0	15.0	12.4	11.4
CAP. (μ F)	200 VDC				20 - 100KHZ ESR MAX: (milliohms)	RIPPLE CURRENT (Amps RMS) 20 - 100KHZ CASE TEMPERATURE ($^{\circ}$ C)						
	D	L	d	Part No.		+25	+35	+45	+55	+65	+75	+85
1.0	13.0	32.0	0.8	105P608A201K	20	7.3	7.3	7.3	7.3	7.2	5.9	5.4
2.0	17.5	32.0	0.8	205P608A201K	15	12.0	12.0	11.3	10.1	8.7	7.1	6.5
3.0	18.5	38.0	1.0	305P608A201K	13	15.0	13.8	12.6	11.3	9.8	8.0	7.3
5.0	21.5	45.0	1.0	505P608A201K	11	15.0	15.0	14.7	13.1	11.4	9.3	8.5
10.0	26.0	58.0	1.0	106P608A201K	9	15.0	15.0	15.0	15.0	13.8	11.3	10.3
20.0	36.5	58.0	1.0	206P608A201K	6	15.0	15.0	15.0	15.0	15.0	14.1	12.8
CAP. (μ F)	400 VDC				20 - 100KHZ ESR MAX: (milliohms)	RIPPLE CURRENT (Amps RMS) 20 - 100KHZ CASE TEMPERATURE ($^{\circ}$ C)						
	D	L	d	Part No.		+25	+35	+45	+55	+65	+75	+85
1.0	15.0	38.0	0.8	105P608A401K	19	9.5	9.5	9.5	9.5	9.5	7.8	7.1
2.0	19.0	45.0	1.0	205P608A401K	15	15.0	15.0	15.0	13.4	11.6	9.5	8.7
3.0	23.0	45.0	1.0	305P608A401K	12	15.0	15.0	15.0	15.0	13.1	10.7	9.8
5.0	25.0	58.0	1.0	505P608A401K	10	15.0	15.0	15.0	15.0	15.0	12.5	11.4
10.0	33.0	58.0	1.0	106P608A401K	6	15.0	15.0	15.0	15.0	15.0	15.0	14.1

*Other Values, Voltages, And Dimensions Are Available On Request



High Current Metallized Polypropylene Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
P702	Radial Box	0.01 To 2.2	±5% To ±20%	3-145
P704	Radial Epoxy Dip	0.01 To 4.7	±5% To ±20%	3-147
P706	Axial Oval Wrap & Fill	0.01 To 10.0	±5% To ±20%	3-149
P708	Axial Round Wrap & Fill	0.01 To 10.0	±5% To ±20%	3-151

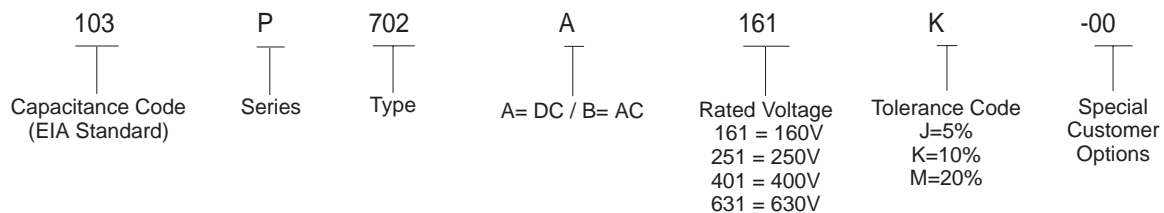
Features

- 1) Extended double sided metallized film, non-inductive construction
- 2) High contact reliability and self healing properties
- 3) Low DF, Low ESR, and high insulation resistance
- 4) Suitable for high frequency
- 5) Negative temperature coefficient of capacitance

Applications

- 1) High current and high pulse operations
- 2) Timing circuits
- 3) Integrating circuits
- 4) Coupling circuits
- 5) Resonant circuits
- 6) Deflection circuits
- 7) Ignition processes

Part Numbering System



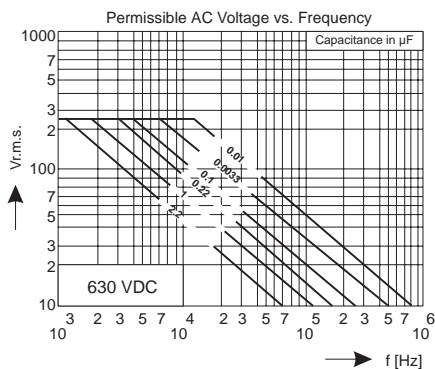
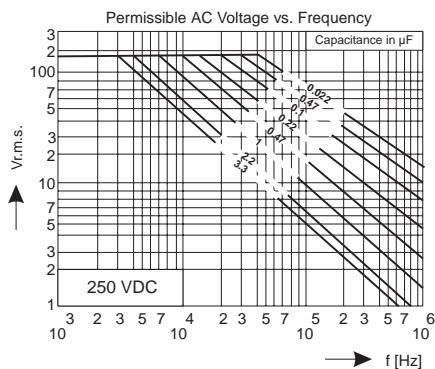
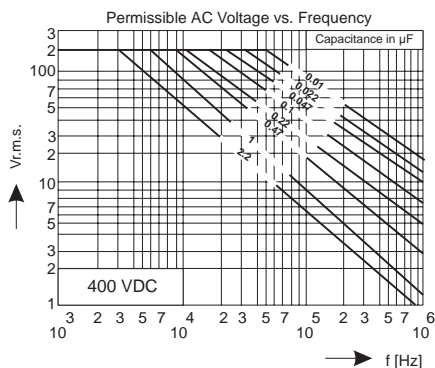
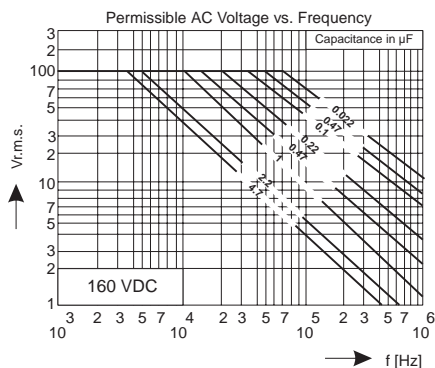
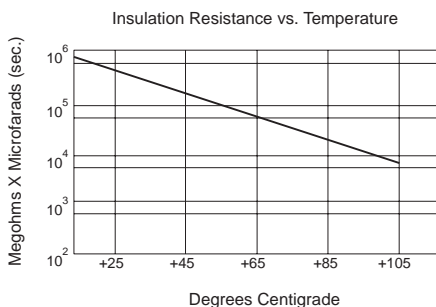
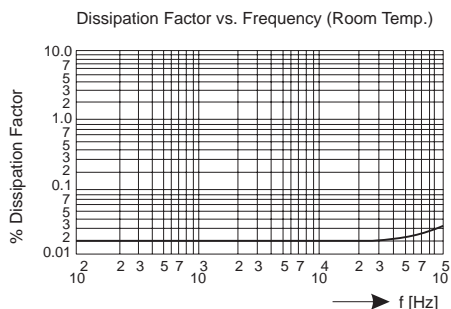
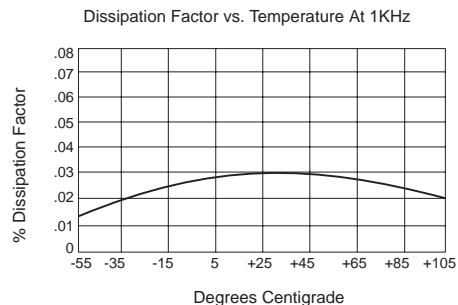
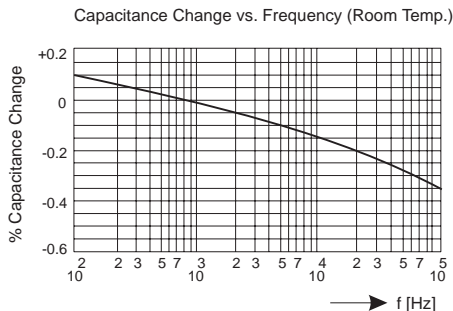
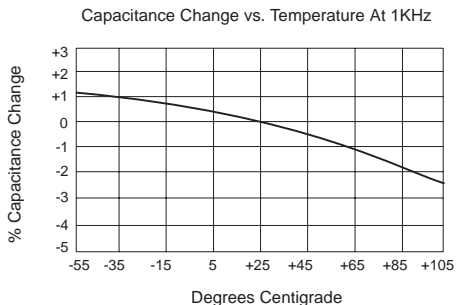
Specifications

- 1) Operating Temperature Range: -55°C To +105°C with full Rated Voltage applied
- 2) Dissipation Factor: 0.1% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 160VDC, 250VDC, 400VDC, 630VDC
- 4) Dielectric Strength: 200% of rated voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at rated DC voltage or 500VDC, the minimum IR shall be ≥ 100,000 Megohms for C≤0.33uF, ≥ 30,000 Megohms X MFD(sec) C>0.33uF
- 6) Capacitance Change: Temperature coefficient -200 (+50, -100) PPM/°C



High Current Metallized Polypropylene

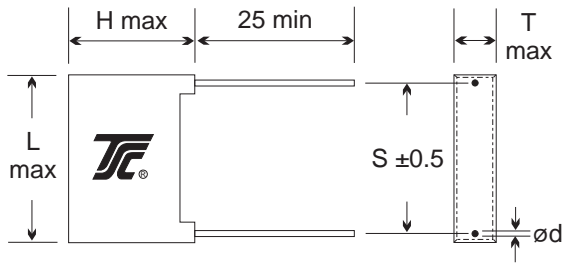
TYPE: P702, P704, P706, P708 Series





High Current Metallized Polypropylene Radial Box

TYPE: P702 Series



L	13.0	18.0	26.5	32.0
S	10.0	15.0	22.5	27.5
d	0.6	0.8	0.8	0.8

(mm)

CAP. (μF)	160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.01					4.0	9.0	13.0	103P702A251K
0.012					4.0	9.0	13.0	123P702A251K
0.015					5.0	11.0	13.0	153P702A251K
0.018					5.0	11.0	13.0	183P702A251K
0.022	4.0	9.0	13.0	223P702A161K	6.0	12.0	13.0	223P702A251K
0.027	4.0	9.0	13.0	273P702A161K	6.0	12.0	13.0	273P702A251K
0.033	5.0	11.0	13.0	333P702A161K	6.0	12.0	13.0	333P702A251K
0.039	5.0	11.0	13.0	393P702A161K	5.0	11.0	18.0	393P702A251K
0.047	6.0	12.0	13.0	473P702A161K	5.0	11.0	18.0	473P702A251K
0.056	6.0	12.0	13.0	563P702A161K	6.0	12.0	18.0	563P702A251K
0.068	6.0	12.0	13.0	683P702A161K	6.0	12.0	18.0	683P702A251K
0.082	5.0	11.0	18.0	823P702A161K	6.0	12.0	18.0	823P702A251K
0.10	5.0	11.0	18.0	104P702A161K	7.5	13.5	18.0	104P702A251K
0.12	6.0	12.0	18.0	124P702A161K	7.5	13.5	18.0	124P702A251K
0.15	6.0	12.0	18.0	154P702A161K	8.5	15.0	18.0	154P702A251K
0.18	7.5	13.5	18.0	184P702A161K	7.0	16.5	26.5	184P702A251K
0.22	7.5	13.5	18.0	224P702A161K	7.0	16.5	26.5	224P702A251K
0.27	8.5	15.0	18.0	274P702A161K	8.5	17.0	26.5	274P702A251K
0.33	8.5	15.0	18.0	334P702A161K	8.5	17.0	26.5	334P702A251K
0.39	7.0	16.5	26.5	394P702A161K	10.0	19.0	26.5	394P702A251K
0.47	8.5	17.0	26.5	474P702A161K	13.0	22.0	26.5	474P702A251K
0.56	8.5	17.0	26.5	564P702A161K	11.0	20.0	32.0	564P702A251K
0.68	10.0	19.0	26.5	684P702A161K	13.0	22.0	32.0	684P702A251K
0.82	13.0	22.0	26.5	824P702A161K	15.0	25.0	32.0	824P702A251K
1.0	13.0	22.0	26.5	105P702A161K	15.0	25.0	32.0	105P702A251K
1.2	13.0	22.0	32.0	125P702A161K	18.0	30.0	32.0	125P702A251K
1.5	15.0	25.0	32.0	155P702A161K	18.0	30.0	32.0	155P702A251K
1.8	18.0	30.0	32.0	185P702A161K				
2.2	18.0	30.0	32.0	225P702A161K				

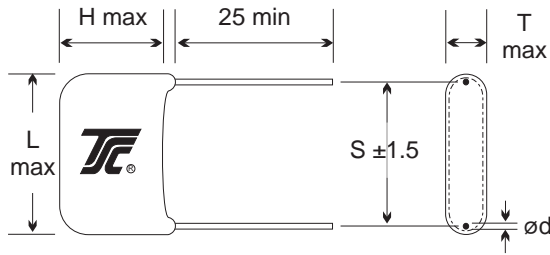
CAP. (μF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	5.0	11.0	13.0	103P702A401K	5.0	11.0	18.0	103P702A631K
0.012	5.0	11.0	13.0	123P702A401K	5.0	11.0	18.0	123P702A631K
0.015	6.0	12.0	13.0	153P702A401K	5.0	11.0	18.0	153P702A631K
0.018	6.0	12.0	13.0	183P702A401K	6.0	12.0	18.0	183P702A631K
0.022	6.0	12.0	13.0	223P702A401K	6.0	12.0	18.0	223P702A631K
0.027	5.0	11.0	18.0	273P702A401K	6.0	12.0	18.0	273P702A631K
0.033	5.0	11.0	18.0	333P702A401K	7.5	13.5	18.0	333P702A631K
0.039	6.0	12.0	18.0	393P702A401K	7.5	13.5	18.0	393P702A631K
0.047	6.0	12.0	18.0	473P702A401K	8.5	15.0	18.0	473P702A631K
0.056	7.5	13.5	18.0	563P702A401K	7.0	16.5	26.5	563P702A631K
0.068	7.5	13.5	18.0	683P702A401K	7.0	16.5	26.5	683P702A631K
0.082	8.5	15.0	18.0	823P702A401K	8.5	17.0	26.5	823P702A631K
0.10	8.5	15.0	18.0	104P702A401K	8.5	17.0	26.5	104P702A631K
0.12	7.0	16.5	26.5	124P702A401K	10.0	19.0	26.5	124P702A631K
0.15	7.0	16.5	26.5	154P702A401K	10.0	19.0	26.5	154P702A631K
0.18	8.5	17.0	26.5	184P702A401K	11.0	20.0	32.0	184P702A631K
0.22	8.5	17.0	26.5	224P702A401K	13.0	22.0	32.0	224P702A631K
0.27	10.0	19.0	26.5	274P702A401K	15.0	25.0	32.0	274P702A631K
0.33	13.0	22.0	26.5	334P702A401K	15.0	25.0	32.0	334P702A631K
0.39	11.0	20.0	32.0	394P702A401K	18.0	30.0	32.0	394P702A631K
0.47	13.0	22.0	32.0	474P702A401K	18.0	30.0	32.0	474P702A631K
0.56	15.0	25.0	32.0	564P702A401K				
0.68	15.0	25.0	32.0	684P702A401K				
0.82	18.0	30.0	32.0	824P702A401K				
1.0	18.0	30.0	32.0	105P702A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



High Current Metallized Polypropylene Radial Epoxy Dipped

TYPE: P704 Series



L	10.0	12.5	18.0	26.0	31.0	44.0
S	7.5	10.0	15.0	22.5	27.5	38.0
d	0.6	0.6	0.8	0.8	0.8	0.8

(mm)

CAP. (µF)	160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.01					4.0	8.0	13.0	103P704A251K
0.012					4.5	8.5	13.0	123P704A251K
0.015					5.0	9.0	13.0	153P704A251K
0.018					5.5	10.0	13.0	183P704A251K
0.022	4.5	8.5	13.0	223P704A161K	6.0	11.0	13.0	223P704A251K
0.027	5.0	9.5	13.0	273P704A161K	6.5	12.0	13.0	273P704A251K
0.033	5.5	10.5	13.0	333P704A161K	6.5	12.5	13.0	333P704A251K
0.039	5.5	11.0	13.0	393P704A161K	5.5	11.0	18.5	393P704A251K
0.047	6.0	12.0	13.0	473P704A161K	6.0	11.5	18.5	473P704A251K
0.056	6.5	12.5	13.0	563P704A161K	6.5	12.0	18.5	563P704A251K
0.068	7.0	13.0	13.0	683P704A161K	6.5	12.5	18.5	683P704A251K
0.082	5.5	10.5	18.5	823P704A161K	7.0	13.0	18.5	823P704A251K
0.10	6.0	11.0	18.5	104P704A161K	7.5	13.5	18.5	104P704A251K
0.12	6.5	12.5	18.5	124P704A161K	8.0	14.0	18.5	124P704A251K
0.15	7.0	13.0	18.5	154P704A161K	8.5	15.0	18.5	154P704A251K
0.18	7.5	13.5	18.5	184P704A161K	7.5	13.5	26.0	184P704A251K
0.22	8.0	14.5	18.5	224P704A161K	8.5	15.5	26.0	224P704A251K
0.27	8.5	15.5	18.5	274P704A161K	9.0	16.5	26.0	274P704A251K
0.33	9.5	16.5	18.5	334P704A161K	9.5	17.0	26.0	334P704A251K
0.39	8.5	15.5	26.0	394P704A161K	10.0	18.5	26.0	394P704A251K
0.47	9.0	16.5	26.0	474P704A161K	11.0	20.0	26.0	474P704A251K
0.56	9.5	17.0	26.0	564P704A161K	11.0	20.0	31.0	564P704A251K
0.68	10.0	19.0	26.0	684P704A161K	12.5	22.0	31.0	684P704A251K
0.82	11.5	21.0	26.0	824P704A161K	13.0	24.0	31.0	824P704A251K
1.0	13.0	24.0	26.0	105P704A161K	15.0	27.0	31.0	105P704A251K
1.2	13.0	24.0	31.0	125P704A161K	16.5	30.0	31.0	125P704A251K
1.5	14.0	26.0	31.0	155P704A161K	18.0	33.0	31.0	155P704A251K
1.8	15.5	28.0	31.0	185P704A161K	16.5	30.0	44.0	185P704A251K
2.2	18.0	32.0	31.0	225P704A161K	17.5	32.0	44.0	225P704A251K
2.7	14.5	26.0	44.0	275P704A161K				
3.3	16.0	28.0	44.0	335P704A161K				
3.9	17.5	30.0	44.0	395P704A161K				
4.7	19.0	32.0	44.0	475P704A161K				

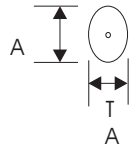
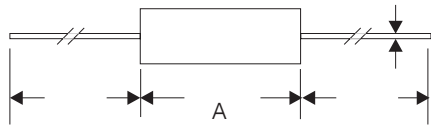
CAP. (µF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	5.0	9.5	13.0	103P704A401K	4.5	9.0	18.5	103P704A631K
0.012	5.5	10.0	13.0	123P704A401K	5.0	9.5	18.5	123P704A631K
0.015	6.0	11.0	13.0	153P704A401K	5.5	10.5	18.5	153P704A631K
0.018	6.0	12.0	13.0	183P704A401K	6.0	12.0	18.5	183P704A631K
0.022	6.5	12.5	13.0	223P704A401K	6.5	12.5	18.5	223P704A631K
0.027	5.5	10.5	18.5	273P704A401K	7.0	13.0	18.5	273P704A631K
0.033	6.0	11.0	18.5	333P704A401K	7.5	13.5	18.5	333P704A631K
0.039	6.5	12.0	18.5	393P704A401K	8.0	14.0	18.5	393P704A631K
0.047	6.5	12.5	18.5	473P704A401K	8.5	16.0	18.5	473P704A631K
0.056	7.0	13.0	18.5	563P704A401K	7.5	13.5	26.0	563P704A631K
0.068	7.5	13.5	18.5	683P704A401K	8.0	14.0	26.0	683P704A631K
0.082	8.0	14.5	18.5	823P704A401K	8.5	15.0	26.0	823P704A631K
0.10	8.5	15.0	18.5	104P704A401K	9.0	17.0	26.0	104P704A631K
0.12	8.0	14.5	26.0	124P704A401K	9.5	18.0	26.0	124P704A631K
0.15	8.5	15.0	26.0	154P704A401K	10.5	20.0	26.0	154P704A631K
0.18	9.0	16.0	26.0	184P704A401K	11.0	20.5	31.0	184P704A631K
0.22	9.5	17.0	26.0	224P704A401K	12.0	22.0	31.0	224P704A631K
0.27	10.0	18.5	26.0	274P704A401K	13.0	24.0	31.0	274P704A631K
0.33	11.0	20.5	26.0	334P704A401K	14.5	26.0	31.0	334P704A631K
0.39	11.0	20.5	31.0	394P704A401K	15.5	28.0	31.0	394P704A631K
0.47	12.5	22.5	31.0	474P704A401K	17.5	31.0	31.0	474P704A631K
0.56	13.5	24.0	31.0	564P704A401K	15.0	27.0	44.0	564P704A631K
0.68	15.0	26.0	31.0	684P704A401K	16.5	30.0	44.0	684P704A631K
0.82	16.5	30.0	31.0	824P704A401K	18.0	32.0	44.0	824P704A631K
1.0	17.5	32.0	31.0	105P704A401K	20.5	35.0	44.0	105P704A631K
1.2	16.0	28.0	44.0	125P704A401K				
1.5	17.5	30.0	44.0	155P704A401K				
1.8	19.0	33.0	44.0	185P704A401K				
2.2	22.0	36.0	44.0	225P704A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



High Current Metallized Polypropylene Axial Oval Wrap & Fill

TYPE: P706 Series



L	14.0	19.0	26.5	32.0	45.0
d	0.6	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	160 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.01					3.5	6.0	14.0	103P706A251K
0.012					3.5	6.5	14.0	123P706A251K
0.015					4.0	7.0	14.0	153P706A251K
0.018					4.5	8.0	14.0	183P706A251K
0.022	3.5	6.5	14.0	223P706A161K	5.0	9.0	14.0	223P706A251K
0.027	4.0	7.0	14.0	273P706A161K	5.5	10.0	14.0	273P706A251K
0.033	4.5	8.0	14.0	333P706A161K	5.5	10.5	14.0	333P706A251K
0.039	4.5	8.5	14.0	393P706A161K	4.5	8.5	19.0	393P706A251K
0.047	5.0	9.0	14.0	473P706A161K	5.0	9.0	19.0	473P706A251K
0.056	5.0	9.5	14.0	563P706A161K	5.0	9.5	19.0	563P706A251K
0.068	5.5	10.0	14.0	683P706A161K	5.5	10.0	19.0	683P706A251K
0.082	4.5	8.5	19.0	823P706A161K	5.5	10.5	19.0	823P706A251K
0.10	5.0	9.0	19.0	104P706A161K	6.0	12.0	19.0	104P706A251K
0.12	5.0	10.0	19.0	124P706A161K	5.5	10.5	26.5	124P706A251K
0.15	5.5	11.0	19.0	154P706A161K	6.0	12.0	26.5	154P706A251K
0.18	6.0	12.0	19.0	184P706A161K	6.5	12.5	26.5	184P706A251K
0.22	6.5	12.5	19.0	224P706A161K	7.0	13.0	26.5	224P706A251K
0.27	6.0	12.0	26.5	274P706A161K	7.5	13.5	26.5	274P706A251K
0.33	6.5	12.5	26.5	334P706A161K	8.0	14.0	26.5	334P706A251K
0.39	7.0	13.0	26.5	394P706A161K	8.5	15.0	26.5	394P706A251K
0.47	7.5	13.5	26.5	474P706A161K	9.0	16.5	26.5	474P706A251K
0.56	8.0	14.0	26.5	564P706A161K	9.0	16.5	32.0	564P706A251K
0.68	8.5	15.0	26.5	684P706A161K	9.5	18.0	32.0	684P706A251K
0.82	8.5	15.0	32.0	824P706A161K	10.5	20.0	32.0	824P706A251K
1.0	9.5	17.5	32.0	105P706A161K	12.5	22.0	32.0	105P706A251K
1.2	10.0	19.0	32.0	125P706A161K	11.0	20.5	45.0	125P706A251K
1.5	11.5	21.0	32.0	155P706A161K	12.0	22.0	45.0	155P706A251K
1.8	9.5	17.5	45.0	185P706A161K	13.0	23.0	45.0	185P706A251K
2.2	10.5	20.0	45.0	225P706A161K	15.0	25.0	45.0	225P706A251K
2.7	11.5	21.0	45.0	275P706A161K	17.5	28.0	45.0	275P706A251K
3.3	13.0	23.0	45.0	335P706A161K	19.0	30.0	45.0	335P706A251K
3.9	14.5	25.0	45.0	395P706A161K	21.0	33.0	45.0	395P706A251K
4.7	16.0	27.0	45.0	475P706A161K	23.5	36.0	45.0	475P706A251K
5.6	18.0	29.0	45.0	565P706A161K				
6.8	20.5	32.0	45.0	685P706A161K				
8.2	22.0	34.0	45.0	825P706A161K				
10.0	25.0	38.0	45.0	106P706A161K				

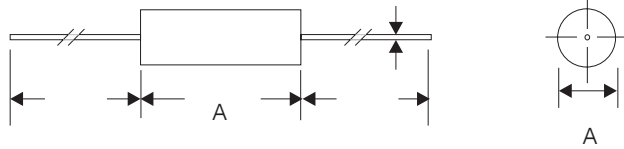
CAP. (μF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.01	4.0	7.0	14.0	103P706A401K	4.0	7.0	19.0	103P706A631K
0.012	4.5	8.0	14.0	123P706A401K	4.5	8.0	19.0	123P706A631K
0.015	5.0	9.0	14.0	153P706A401K	4.5	8.5	19.0	153P706A631K
0.018	5.0	9.5	14.0	183P706A401K	4.5	9.0	19.0	183P706A631K
0.022	5.5	10.0	14.0	223P706A401K	5.0	10.0	19.0	223P706A631K
0.027	4.5	8.5	19.0	273P706A401K	5.5	10.5	19.0	273P706A631K
0.033	5.0	9.0	19.0	333P706A401K	6.0	11.0	19.0	333P706A631K
0.039	5.0	10.0	19.0	393P706A401K	5.0	10.0	26.5	393P706A631K
0.047	5.5	10.5	19.0	473P706A401K	5.5	10.5	26.5	473P706A631K
0.056	5.5	11.0	19.0	563P706A401K	6.0	11.0	26.5	563P706A631K
0.068	6.0	11.5	19.0	683P706A401K	6.5	12.0	26.5	683P706A631K
0.082	5.5	11.0	26.5	823P706A401K	7.0	13.0	26.5	823P706A631K
0.10	6.0	12.0	26.5	104P706A401K	7.5	13.5	26.5	104P706A631K
0.12	6.5	12.5	26.5	124P706A401K	7.5	13.5	26.5	124P706A631K
0.15	7.0	13.0	26.5	154P706A401K	8.5	15.0	26.5	154P706A631K
0.18	7.5	13.5	26.5	184P706A401K	9.0	16.5	32.0	184P706A631K
0.22	8.0	14.0	26.5	224P706A401K	9.5	18.0	32.0	224P706A631K
0.27	8.5	15.0	26.5	274P706A401K	10.5	20.0	32.0	274P706A631K
0.33	9.0	16.5	26.5	334P706A401K	11.5	21.5	32.0	334P706A631K
0.39	9.5	18.0	32.0	394P706A401K	10.5	20.0	45.0	394P706A631K
0.47	10.0	19.0	32.0	474P706A401K	11.5	21.0	45.0	474P706A631K
0.56	11.0	20.5	32.0	564P706A401K	12.5	22.5	45.0	564P706A631K
0.68	12.0	22.0	32.0	684P706A401K	13.5	24.5	45.0	684P706A631K
0.82	11.0	21.0	45.0	824P706A401K	15.0	26.0	45.0	824P706A631K
1.0	12.0	21.5	45.0	105P706A401K	17.5	28.0	45.0	105P706A631K
1.2	13.0	23.0	45.0	125P706A401K	19.5	30.0	45.0	125P706A631K
1.5	15.0	25.0	45.0	155P706A401K	22.0	32.0	45.0	155P706A631K
1.8	17.0	27.0	45.0	185P706A401K	23.5	35.0	45.0	185P706A631K
2.2	19.5	30.0	45.0	225P706A401K	26.0	38.0	45.0	225P706A631K
2.7	21.0	32.0	45.0	275P706A401K				
3.3	23.0	35.0	45.0	335P706A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



High Current Metallized Polypropylene Axial Round Wrap & Fill

TYPE: P708 Series



L	14.0	19.0	26.5	32.0	45.0
d	0.6	0.8	0.8	0.8	1.0

(mm)

CAP. (μF)	160 VDC			250 VDC		
	D	L	Part No.	D	L	Part No.
0.01				5.0	14.0	103P708A251K
0.012				5.5	14.0	123P708A251K
0.015				6.0	14.0	153P708A251K
0.018				6.5	14.0	183P708A251K
0.022	5.5	14.0	223P708A161K	7.0	14.0	223P708A251K
0.027	6.0	14.0	273P708A161K	7.5	14.0	273P708A251K
0.033	6.5	14.0	333P708A161K	8.0	14.0	333P708A251K
0.039	7.0	14.0	393P708A161K	6.5	19.0	393P708A251K
0.047	7.0	14.0	473P708A161K	7.0	19.0	473P708A251K
0.056	7.5	14.0	563P708A161K	7.5	19.0	563P708A251K
0.068	8.0	14.0	683P708A161K	7.5	19.0	683P708A251K
0.082	6.5	19.0	823P708A161K	8.0	19.0	823P708A251K
0.10	7.0	19.0	104P708A161K	8.5	19.0	104P708A251K
0.12	7.5	19.0	124P708A161K	8.5	26.5	124P708A251K
0.15	8.5	19.0	154P708A161K	9.0	26.5	154P708A251K
0.18	9.0	19.0	184P708A161K	9.5	26.5	184P708A251K
0.22	9.5	19.0	224P708A161K	10.0	26.5	224P708A251K
0.27	9.0	26.5	274P708A161K	10.5	26.5	274P708A251K
0.33	9.5	26.5	334P708A161K	11.0	26.5	334P708A251K
0.39	10.0	26.5	394P708A161K	12.5	26.5	394P708A251K
0.47	10.5	26.5	474P708A161K	13.5	26.5	474P708A251K
0.56	11.5	26.5	564P708A161K	13.0	32.0	564P708A251K
0.68	12.5	26.5	684P708A161K	15.0	32.0	684P708A251K
0.82	12.5	32.0	824P708A161K	16.0	32.0	824P708A251K
1.0	14.0	32.0	105P708A161K	18.0	32.0	105P708A251K
1.2	15.5	32.0	125P708A161K	16.5	45.0	125P708A251K
1.5	17.0	32.0	155P708A161K	18.0	45.0	155P708A251K
1.8	14.5	45.0	185P708A161K	19.5	45.0	185P708A251K
2.2	15.5	45.0	225P708A161K	21.0	45.0	225P708A251K
2.7	17.0	45.0	275P708A161K	24.0	45.0	275P708A251K
3.3	18.5	45.0	335P708A161K	25.5	45.0	335P708A251K
3.9	21.0	45.0	395P708A161K	27.5	45.0	395P708A251K
4.7	22.5	45.0	475P708A161K	30.5	45.0	475P708A251K
5.6	24.5	45.0	565P708A161K			
6.8	27.5	45.0	685P708A161K			
8.2	29.0	45.0	825P708A161K			
10.0	32.5	45.0	106P708A161K			
CAP. (μF)	400 VDC			630 VDC		
	D	L	Part No.	D	L	Part No.
0.01	6.0	14.0	103P708A401K	5.5	19.0	103P708A631K
0.012	6.5	14.0	123P708A401K	6.0	19.0	123P708A631K
0.015	7.0	14.0	153P708A401K	6.5	19.0	153P708A631K
0.018	7.5	14.0	183P708A401K	7.0	19.0	183P708A631K
0.022	8.0	14.0	223P708A401K	7.5	19.0	223P708A631K
0.027	6.5	19.0	273P708A401K	8.0	19.0	273P708A631K
0.033	7.0	19.0	333P708A401K	8.5	19.0	333P708A631K
0.039	7.5	19.0	393P708A401K	8.0	26.5	393P708A631K
0.047	8.0	19.0	473P708A401K	8.5	26.5	473P708A631K
0.056	8.5	19.0	563P708A401K	9.0	26.5	563P708A631K
0.068	9.0	19.0	683P708A401K	9.5	26.5	683P708A631K
0.082	8.5	26.5	823P708A401K	10.0	26.5	823P708A631K
0.10	9.0	26.5	104P708A401K	11.0	26.5	104P708A631K
0.12	9.5	26.5	124P708A401K	12.0	26.5	124P708A631K
0.15	10.0	26.5	154P708A401K	13.0	26.5	154P708A631K
0.18	10.5	26.5	184P708A401K	13.5	32.0	184P708A631K
0.22	11.5	26.5	224P708A401K	14.5	32.0	224P708A631K
0.27	12.5	26.5	274P708A401K	16.0	32.0	274P708A631K
0.33	13.5	26.5	334P708A401K	17.0	32.0	334P708A631K
0.39	14.5	32.0	394P708A401K	16.0	45.0	394P708A631K
0.47	15.0	32.0	474P708A401K	17.0	45.0	474P708A631K
0.56	16.0	32.0	564P708A401K	18.0	45.0	564P708A631K
0.68	18.0	32.0	684P708A401K	19.5	45.0	684P708A631K
0.82	16.5	45.0	824P708A401K	21.5	45.0	824P708A631K
1.0	17.5	45.0	105P708A401K	24.0	45.0	105P708A631K
1.2	19.0	45.0	125P708A401K	26.0	45.0	125P708A631K
1.5	21.0	45.0	155P708A401K	28.5	45.0	155P708A631K
1.8	13.5	45.0	185P708A401K	31.0	45.0	185P708A631K
2.2	26.0	45.0	225P708A401K	34.5	45.0	225P708A631K
2.7	27.5	45.0	275P708A401K			
3.3	30.5	45.0	335P708A401K			

*Other Values, Voltages, And Dimensions Are Available On Request



Polystyrene Film & Foil - Film Capacitors

TYPE	DESIGN	CAPACITANCE (mfd)	TOLERANCE	PAGE NO.
S102	Radial Box	0.0001 To 0.47	±0.5% To ±20%	3-155
S104	Axial Oval Wrap & Fill	0.001 To 1.0	±0.5% To ±20%	3-157
S108	Axial Round Wrap & Fill	0.001 To 1.0	±0.5% To ±20%	3-159

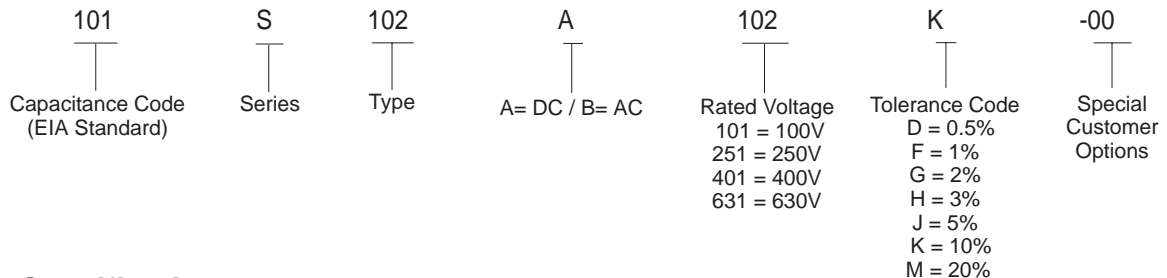
Features

- 1) Extended foil, non-inductive construction
- 2) Low DF, low ESR, and low inductance
- 3) Tight tolerance capacitors with negative temperature coefficient of capacitance
- 4) High insulation resistance and low dielectric absorption
- 5) Low and reproducible temperature coefficient
- 6) Excellent long term stability

Applications

- 1) RF and IF filters
- 2) Timing circuits
- 3) Tuned circuits
- 4) Resonant circuits
- 5) Measuring systems
- 6) Pulse forming networks
- 7) Telecommunications
- 8) Audio equipment

Part Numbering System



Specifications

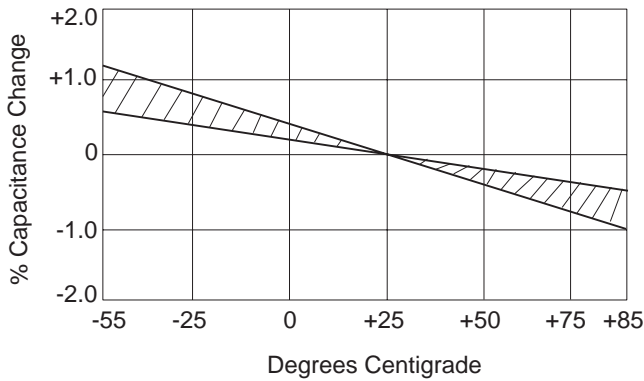
- 1) Operating Temperature Range: -55°C To +85°C with full Rated Voltage applied
- 2) Dissipation Factor: 0.05% Maximum at +25°C and 1Khz
- 3) Rated Voltage: 100VDC, 250VDC, 400VDC, 630VDC
- 4) Dielectric Strength: 250% of rated voltage for 5 seconds
- 5) Insulation Resistance: At +25°C after 2 minutes electrification at rated DC voltage, the minimum IR shall be >500,000 Megohms
- 6) Dielectric Absorption: 0.05% Maximum at +25°C
- 7) Capacitance Change: Temperature coefficient -110 ±50 PPM/°C



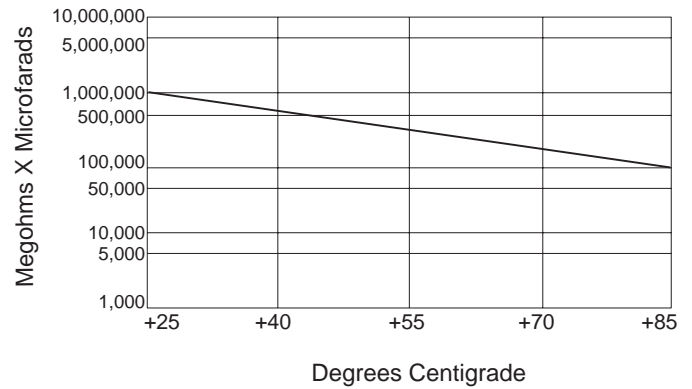
Polystyrene Film & Foil

TYPE: S102, S104, S108 Series

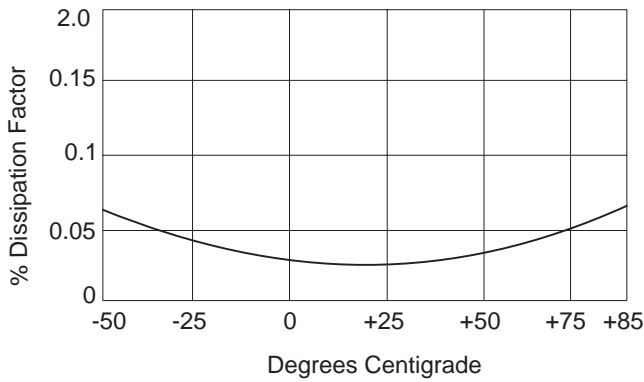
Capacitance Change vs. Temperature At 1KHz



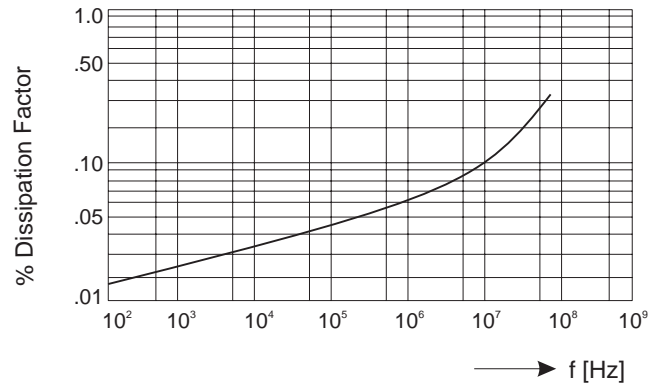
Insulation Resistance vs. Temperature



Dissipation Factor vs. Temperature At 1KHz



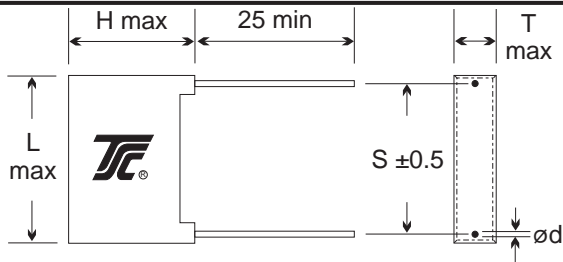
Dissipation Factor vs. Frequency (Room Temp.)





Polystyrene Film & Foil - Radial Box

TYPE: S102 Series



L	10.5	13.0	18.0	26.5	32.0
S	7.5	10.0	15.0	22.5	27.5
d	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (µF)	100 VDC				250 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	9.0	10.5	101S102A101K	4.0	9.0	10.5	101S102A251K
0.00012	4.0	9.0	10.5	121S102A101K	4.0	9.0	10.5	121S102A251K
0.00015	4.0	9.0	10.5	151S102A101K	4.0	9.0	10.5	151S102A251K
0.00018	4.0	9.0	10.5	181S102A101K	4.0	9.0	10.5	181S102A251K
0.00022	4.0	9.0	10.5	221S102A101K	4.0	9.0	10.5	221S102A251K
0.00027	4.0	9.0	10.5	271S102A101K	4.0	9.0	10.5	271S102A251K
0.00033	4.0	9.0	10.5	331S102A101K	4.0	9.0	10.5	331S102A251K
0.00039	4.0	9.0	10.5	391S102A101K	4.0	9.0	10.5	391S102A251K
0.00047	4.0	9.0	10.5	471S102A101K	4.0	9.0	10.5	471S102A251K
0.00056	4.0	9.0	10.5	561S102A101K	4.0	9.0	10.5	561S102A251K
0.00068	4.0	9.0	10.5	681S102A101K	4.0	9.0	10.5	681S102A251K
0.00082	4.0	9.0	10.5	821S102A101K	4.0	9.0	10.5	821S102A251K
0.001	4.0	9.0	10.5	102S102A101K	4.0	9.0	10.5	102S102A251K
0.0012	4.0	9.0	10.5	122S102A101K	4.0	9.0	10.5	122S102A251K
0.0015	4.0	9.0	10.5	152S102A101K	4.0	9.0	10.5	152S102A251K
0.0018	4.0	9.0	10.5	182S102A101K	4.0	9.0	10.5	182S102A251K
0.0022	4.0	9.0	10.5	222S102A101K	4.0	9.0	10.5	222S102A251K
0.0027	4.0	9.0	10.5	272S102A101K	4.0	9.0	13.0	272S102A251K
0.0033	4.0	9.0	10.5	332S102A101K	4.0	9.0	13.0	332S102A251K
0.0039	4.0	9.0	10.5	392S102A101K	4.0	9.0	13.0	392S102A251K
0.0047	4.0	9.0	10.5	472S102A101K	5.0	11.0	13.0	472S102A251K
0.0056	4.0	9.0	13.0	562S102A101K	5.0	11.0	13.0	562S102A251K
0.0068	4.0	9.0	13.0	682S102A101K	6.0	12.0	13.0	682S102A251K
0.0082	4.0	9.0	13.0	822S102A101K	5.0	11.0	18.0	822S102A251K
0.01	5.0	11.0	13.0	103S102A101K	6.0	12.0	18.0	103S102A251K
0.012	5.0	11.0	13.0	123S102A101K	6.0	12.0	18.0	123S102A251K
0.015	6.0	12.0	13.0	153S102A101K	7.5	13.5	18.0	153S102A251K
0.018	5.0	11.0	18.0	183S102A101K	7.5	13.5	18.0	183S102A251K
0.022	6.0	12.0	18.0	223S102A101K	8.5	15.0	18.0	223S102A251K
0.027	6.0	12.0	18.0	273S102A101K	6.0	15.0	26.5	273S102A251K
0.033	7.5	13.5	18.0	333S102A101K	6.0	15.0	26.5	333S102A251K
0.039	7.5	13.5	18.0	393S102A101K	7.0	16.5	26.5	393S102A251K
0.047	8.5	15.0	18.0	473S102A101K	7.0	16.5	26.5	473S102A251K
0.056	7.0	16.5	26.5	563S102A101K	8.5	17.0	26.5	563S102A251K
0.068	7.0	16.5	26.5	683S102A101K	8.5	17.0	26.5	683S102A251K
0.082	7.0	16.5	26.5	823S102A101K	11.0	20.0	32.0	823S102A251K
0.1	8.5	17.0	26.5	104S102A101K	11.0	20.0	32.0	104S102A251K
0.12	8.5	17.0	26.5	124S102A101K	11.0	20.0	32.0	124S102A251K
0.15	10.0	19.0	26.5	154S102A101K	13.0	22.0	32.0	154S102A251K
0.18	11.0	20.0	32.0	184S102A101K	15.0	25.0	32.0	184S102A251K
0.22	11.0	20.0	32.0	224S102A101K	18.0	30.0	32.0	224S102A251K
0.27	13.0	22.0	32.0	274S102A101K				
0.33	13.0	22.0	32.0	334S102A101K				
0.39	15.0	25.0	32.0	394S102A101K				
0.47	18.0	30.0	32.0	474S102A101K				

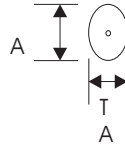
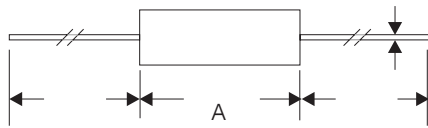
CAP. (µF)	400 VDC				630 VDC			
	T	H	L	Part No.	T	H	L	Part No.
0.0001	4.0	9.0	10.5	101S102A401K	4.0	9.0	10.5	101S102A631K
0.00012	4.0	9.0	10.5	121S102A401K	4.0	9.0	10.5	121S102A631K
0.00015	4.0	9.0	10.5	151S102A401K	4.0	9.0	10.5	151S102A631K
0.00018	4.0	9.0	10.5	181S102A401K	4.0	9.0	10.5	181S102A631K
0.00022	4.0	9.0	10.5	221S102A401K	4.0	9.0	10.5	221S102A631K
0.00027	4.0	9.0	10.5	271S102A401K	4.0	9.0	10.5	271S102A631K
0.00033	4.0	9.0	10.5	331S102A401K	4.0	9.0	10.5	331S102A631K
0.00039	4.0	9.0	10.5	391S102A401K	4.0	9.0	10.5	391S102A631K
0.00047	4.0	9.0	10.5	471S102A401K	4.0	9.0	10.5	471S102A631K
0.00056	4.0	9.0	10.5	561S102A401K	4.0	9.0	10.5	561S102A631K
0.00068	4.0	9.0	10.5	681S102A401K	4.0	9.0	10.5	681S102A631K
0.00082	4.0	9.0	10.5	821S102A401K	4.0	9.0	13.0	821S102A631K
0.001	4.0	9.0	10.5	102S102A401K	4.0	9.0	13.0	102S102A631K
0.0012	4.0	9.0	10.5	122S102A401K	5.0	11.0	13.0	122S102A631K
0.0015	4.0	9.0	10.5	152S102A401K	5.0	11.0	13.0	152S102A631K
0.0018	4.0	9.0	13.0	182S102A401K	5.0	11.0	18.0	182S102A631K
0.0022	4.0	9.0	13.0	222S102A401K	6.0	12.0	18.0	222S102A631K
0.0027	5.0	11.0	13.0	272S102A401K	6.0	12.0	18.0	272S102A631K
0.0033	5.0	11.0	13.0	332S102A401K	7.5	13.5	18.0	332S102A631K
0.0039	6.0	12.0	13.0	392S102A401K	7.5	13.5	18.0	392S102A631K
0.0047	6.0	12.0	13.0	472S102A401K	7.5	13.5	18.0	472S102A631K
0.0056	5.0	11.0	18.0	562S102A401K	8.5	15.0	18.0	562S102A631K
0.0068	6.0	12.0	18.0	682S102A401K	8.5	15.0	18.0	682S102A631K
0.0082	6.0	12.0	18.0	822S102A401K	7.0	16.5	26.5	822S102A631K
0.01	7.5	13.5	18.0	103S102A401K	7.0	16.5	26.5	103S102A631K
0.012	7.5	13.5	18.0	123S102A401K	8.5	17.0	26.5	123S102A631K
0.015	8.5	15.0	18.0	153S102A401K	8.5	17.0	26.5	153S102A631K
0.018	7.0	16.5	26.5	183S102A401K	10.0	19.0	26.5	183S102A631K
0.022	7.0	16.5	26.5	223S102A401K	10.0	19.0	26.5	223S102A631K
0.027	8.5	17.0	26.5	273S102A401K	11.0	20.0	32.0	273S102A631K
0.033	8.5	17.0	26.5	333S102A401K	11.0	20.0	32.0	333S102A631K
0.039	10.0	19.0	26.5	393S102A401K	13.0	22.0	32.0	393S102A631K
0.047	10.0	19.0	26.5	473S102A401K	15.0	25.0	32.0	473S102A631K
0.056	11.0	20.0	32.0	563S102A401K				
0.068	11.0	20.0	32.0	683S102A401K				
0.082	11.0	20.0	32.0	823S102A401K				
0.1	13.0	22.0	32.0	104S102A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polystyrene Film & Foil - Axial Oval Wrap & Fill

TYPE: S104 Series



L	11.0	14.0	19.0	26.5	32.0	45.0
d	0.5	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μF)	100 VDC				Part No.	250 VDC			
	T	H	L			T	H	L	
0.001	3.5	6.0	11.0		102S104A101K	3.5	6.0	11.0	102S104A251K
0.0012	3.5	6.0	11.0		122S104A101K	3.5	6.0	11.0	122S104A251K
0.0015	3.5	6.0	11.0		152S104A101K	3.5	6.0	11.0	152S104A251K
0.0018	3.5	6.0	11.0		182S104A101K	3.5	6.0	11.0	182S104A251K
0.0022	3.5	6.0	11.0		222S104A101K	3.5	6.5	11.0	222S104A251K
0.0027	3.5	6.0	11.0		272S104A101K	3.5	6.0	14.0	272S104A251K
0.0033	3.5	6.0	11.0		332S104A101K	3.5	6.5	14.0	332S104A251K
0.0039	3.5	6.0	11.0		392S104A101K	3.5	7.0	14.0	392S104A251K
0.0047	3.5	6.5	11.0		472S104A101K	4.0	7.5	14.0	472S104A251K
0.0056	3.5	6.0	14.0		562S104A101K	4.5	8.0	14.0	562S104A251K
0.0068	3.5	6.0	14.0		682S104A101K	5.0	8.5	14.0	682S104A251K
0.0082	3.5	6.5	14.0		822S104A101K	4.5	8.0	19.0	822S104A251K
0.01	4.0	7.0	14.0		103S104A101K	5.0	9.0	19.0	103S104A251K
0.012	4.5	8.0	14.0		123S104A101K	5.5	10.0	19.0	123S104A251K
0.015	5.0	9.0	14.0		153S104A101K	6.0	11.0	19.0	153S104A251K
0.018	4.5	8.0	19.0		183S104A101K	6.0	12.0	19.0	183S104A251K
0.022	5.0	9.0	19.0		223S104A101K	6.5	12.5	19.0	223S104A251K
0.027	5.5	10.0	19.0		273S104A101K	5.5	10.0	26.5	273S104A251K
0.033	6.0	11.0	19.0		333S104A101K	6.0	11.0	26.5	333S104A251K
0.039	6.5	12.0	19.0		393S104A101K	6.5	12.0	26.5	393S104A251K
0.047	7.0	13.0	19.0		473S104A101K	6.5	12.5	26.5	473S104A251K
0.056	5.5	11.0	26.5		563S104A101K	6.0	12.0	32.0	563S104A251K
0.068	6.0	12.0	26.5		683S104A101K	7.0	13.0	32.0	683S104A251K
0.082	6.5	12.5	26.5		823S104A101K	8.0	14.0	32.0	823S104A251K
0.1	7.0	13.0	26.5		104S104A101K	8.5	15.0	32.0	104S104A251K
0.12	7.5	14.0	26.5		124S104A101K	9.0	17.0	32.0	124S104A251K
0.15	8.5	15.0	26.5		154S104A101K	9.5	18.0	32.0	154S104A251K
0.18	8.5	15.0	32.0		184S104A101K	9.5	18.0	45.0	184S104A251K
0.22	9.0	16.5	32.0		224S104A101K	10.0	19.0	45.0	224S104A251K
0.27	9.5	17.0	32.0		274S104A101K	11.0	21.0	45.0	274S104A251K
0.33	10.0	19.0	32.0		334S104A101K	12.5	22.5	45.0	334S104A251K
0.39	9.5	18.0	45.0		394S104A101K	13.5	24.0	45.0	394S104A251K
0.47	10.0	19.0	45.0		474S104A101K	15.0	26.0	45.0	474S104A251K
0.56	11.0	21.0	45.0		564S104A101K				
0.68	12.5	23.0	45.0		684S104A101K				
0.82	13.5	24.0	45.0		824S104A101K				
1.0	15.0	26.0	45.0		105S104A101K				

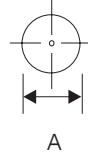
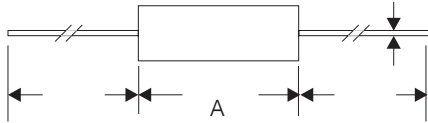
CAP. (μF)	400 VDC				Part No.	630 VDC			
	T	H	L			T	H	L	
0.001	3.5	6.0	11.0		102S104A401K	4.0	6.5	14.0	102S104A631K
0.0012	3.5	6.0	11.0		122S104A401K	4.0	7.0	14.0	122S104A631K
0.0015	3.5	6.5	11.0		152S104A401K	4.0	7.5	14.0	152S104A631K
0.0018	3.5	6.0	14.0		182S104A401K	4.0	7.5	19.0	182S104A631K
0.0022	3.5	6.5	14.0		222S104A401K	5.0	9.0	19.0	222S104A631K
0.0027	4.0	7.0	14.0		272S104A401K	5.0	9.5	19.0	272S104A631K
0.0033	4.0	7.5	14.0		332S104A401K	5.5	10.0	19.0	332S104A631K
0.0039	4.5	8.0	14.0		392S104A401K	5.5	11.0	19.0	392S104A631K
0.0047	5.0	9.0	14.0		472S104A401K	6.0	12.0	19.0	472S104A631K
0.0056	5.0	9.0	19.0		562S104A401K	5.0	9.5	26.5	562S104A631K
0.0068	5.0	10.0	19.0		682S104A401K	5.5	10.0	26.5	682S104A631K
0.0082	5.5	11.0	19.0		822S104A401K	5.5	11.0	26.5	822S104A631K
0.01	6.0	11.0	19.0		103S104A401K	6.0	12.0	26.5	103S104A631K
0.012	6.0	12.0	19.0		123S104A401K	6.5	12.5	26.5	123S104A631K
0.015	6.5	12.5	19.0		153S104A401K	7.0	13.0	26.5	153S104A631K
0.018	6.0	12.0	26.5		183S104A401K	7.5	14.0	26.5	183S104A631K
0.022	6.5	12.5	26.5		223S104A401K	8.0	15.0	26.5	223S104A631K
0.027	7.0	13.0	26.5		273S104A401K	8.5	16.0	32.0	273S104A631K
0.033	7.5	14.0	26.5		333S104A401K	9.0	17.0	32.0	333S104A631K
0.039	7.0	13.0	32.0		393S104A401K	9.5	18.0	32.0	393S104A631K
0.047	7.5	14.0	32.0		473S104A401K	10.0	19.0	32.0	473S104A631K
0.056	8.0	15.0	32.0		563S104A401K	9.5	18.0	45.0	563S104A631K
0.068	8.5	16.0	32.0		683S104A401K	10.0	20.0	45.0	683S104A631K
0.082	9.0	17.0	32.0		823S104A401K	11.0	21.0	45.0	823S104A631K
0.1	9.5	18.0	32.0		104S104A401K	12.5	22.5	45.0	104S104A631K
0.12	9.5	18.0	45.0		124S104A401K	13.5	24.0	45.0	124S104A631K
0.15	10.0	20.0	45.0		154S104A401K	15.5	26.0	45.0	154S104A631K
0.18	11.0	21.0	45.0		184S104A401K	17.0	28.0	45.0	184S104A631K
0.22	12.5	23.0	45.0		224S104A401K	18.5	30.0	45.0	224S104A631K
0.27	14.0	25.0	45.0		274S104A401K				
0.33	15.5	26.5	45.0		334S104A401K				
0.39	17.5	28.0	45.0		394S104A401K				
0.47	19.5	32.0	45.0		474S104A401K				

*Other Values, Voltages, And Dimensions Are Available On Request



Polystyrene Film & Foil - Axial Round Wrap & Fill

TYPE: S108 Series



L	11.0	14.0	19.0	26.5	32.0	45.0
d	0.5	0.6	0.6	0.8	0.8	0.8

(mm)

CAP. (μ F)	100 VDC			250 VDC		
	D	L	Part No.	D	L	Part No.
0.0001	4.5	11.0	101S108A101K	4.5	11.0	101S108A251K
0.00012	4.5	11.0	121S108A101K	4.5	11.0	121S108A251K
0.00015	4.5	11.0	151S108A101K	4.5	11.0	151S108A251K
0.00018	4.5	11.0	181S108A101K	4.5	11.0	181S108A251K
0.00022	4.5	11.0	221S108A101K	4.5	11.0	221S108A251K
0.00027	4.5	11.0	271S108A101K	4.5	11.0	271S108A251K
0.00033	4.5	11.0	331S108A101K	4.5	11.0	331S108A251K
0.00039	4.5	11.0	391S108A101K	4.5	11.0	391S108A251K
0.00047	4.5	11.0	471S108A101K	4.5	11.0	471S108A251K
0.00056	4.5	11.0	561S108A101K	4.5	11.0	561S108A251K
0.00068	4.5	11.0	681S108A101K	4.5	11.0	681S108A251K
0.00082	4.5	11.0	821S108A101K	4.5	11.0	821S108A251K
0.001	4.5	11.0	102S108A101K	4.5	11.0	102S108A251K
0.0012	4.5	11.0	122S108A101K	4.5	11.0	122S108A251K
0.0015	4.5	11.0	152S108A101K	5.0	11.0	152S108A251K
0.0018	4.5	11.0	182S108A101K	5.0	11.0	182S108A251K
0.0022	4.5	11.0	222S108A101K	5.5	11.0	222S108A251K
0.0027	4.5	11.0	272S108A101K	5.0	14.0	272S108A251K
0.0033	5.0	11.0	332S108A101K	5.5	14.0	332S108A251K
0.0039	5.0	11.0	392S108A101K	5.5	14.0	392S108A251K
0.0047	5.5	11.0	472S108A101K	6.0	14.0	472S108A251K
0.0056	5.0	14.0	562S108A101K	6.5	14.0	562S108A251K
0.0068	5.0	14.0	682S108A101K	7.0	14.0	682S108A251K
0.0082	5.5	14.0	822S108A101K	6.5	19.0	822S108A251K
0.01	6.0	14.0	103S108A101K	7.0	19.0	103S108A251K
0.012	6.5	14.0	123S108A101K	8.0	19.0	123S108A251K
0.015	7.0	14.0	153S108A101K	8.5	19.0	153S108A251K
0.018	7.0	19.0	183S108A101K	9.0	19.0	183S108A251K
0.022	7.5	19.0	223S108A101K	9.5	19.0	223S108A251K
0.027	8.0	19.0	273S108A101K	8.0	26.5	273S108A251K
0.033	8.5	19.0	333S108A101K	8.5	26.5	333S108A251K
0.039	9.0	19.0	393S108A101K	9.0	26.5	393S108A251K
0.047	9.5	19.0	473S108A101K	9.5	26.5	473S108A251K
0.056	8.5	26.5	563S108A101K	9.5	32.0	563S108A251K
0.068	9.0	26.5	683S108A101K	10.0	32.0	683S108A251K
0.082	9.5	26.5	823S108A101K	11.5	32.0	823S108A251K
0.1	10.0	26.5	104S108A101K	12.5	32.0	104S108A251K
0.12	10.5	26.5	124S108A101K	13.5	32.0	124S108A251K
0.15	12.5	26.5	154S108A101K	15.0	32.0	154S108A251K
0.18	12.5	32.0	184S108A101K	14.0	45.0	184S108A251K
0.22	13.0	32.0	224S108A101K	15.0	45.0	224S108A251K
0.27	14.5	32.0	274S108A101K	16.5	45.0	274S108A251K
0.33	15.0	32.0	334S108A101K	18.0	45.0	334S108A251K
0.39	14.5	45.0	394S108A101K	19.5	45.0	394S108A251K
0.47	15.5	45.0	474S108A101K	21.0	45.0	474S108A251K
0.56	16.5	45.0	564S108A101K			
0.68	18.0	45.0	684S108A101K			
0.82	19.5	45.0	824S108A101K			
1.0	21.0	45.0	105S108A101K			

*Other Values, Voltages, And Dimensions Are Available On Request



Polystyrene Film & Foil - Axial Round Wrap & Fill

TYPE: S108 Series

(mm)

CAP. (μF)	400 VDC			630 VDC		
	D	L	Part No.	D	L	Part No.
0.0001	4.5	11.0	101S108A401K	5.0	11.0	101S108A631K
0.00012	4.5	11.0	121S108A401K	5.0	11.0	121S108A631K
0.00015	4.5	11.0	151S108A401K	5.0	11.0	151S108A631K
0.00018	4.5	11.0	181S108A401K	5.0	11.0	181S108A631K
0.00022	4.5	11.0	221S108A401K	5.0	11.0	221S108A631K
0.00027	4.5	11.0	271S108A401K	5.0	11.0	271S108A631K
0.00033	4.5	11.0	331S108A401K	5.0	11.0	331S108A631K
0.00039	4.5	11.0	391S108A401K	5.0	11.0	391S108A631K
0.00047	4.5	11.0	471S108A401K	5.0	11.0	471S108A631K
0.00056	4.5	11.0	561S108A401K	5.0	11.0	561S108A631K
0.00068	4.5	11.0	681S108A401K	5.0	11.0	681S108A631K
0.00082	4.5	11.0	821S108A401K	5.0	14.0	821S108A631K
0.001	5.0	11.0	102S108A401K	5.5	14.0	102S108A631K
0.0012	5.0	11.0	122S108A401K	6.0	14.0	122S108A631K
0.0015	5.5	11.0	152S108A401K	6.5	14.0	152S108A631K
0.0018	5.0	14.0	182S108A401K	6.5	19.0	182S108A631K
0.0022	5.5	14.0	222S108A401K	7.0	19.0	222S108A631K
0.0027	6.0	14.0	272S108A401K	7.5	19.0	272S108A631K
0.0033	6.5	14.0	332S108A401K	8.0	19.0	332S108A631K
0.0039	6.5	14.0	392S108A401K	8.5	19.0	392S108A631K
0.0047	7.0	14.0	472S108A401K	9.0	19.0	472S108A631K
0.0056	7.0	19.0	562S108A401K	7.5	26.5	562S108A631K
0.0068	7.5	19.0	682S108A401K	8.0	26.5	682S108A631K
0.0082	8.0	19.0	822S108A401K	8.5	26.5	822S108A631K
0.01	8.5	19.0	103S108A401K	9.0	26.5	103S108A631K
0.012	9.0	19.0	123S108A401K	9.5	26.5	123S108A631K
0.015	9.5	19.0	153S108A401K	10.0	26.5	153S108A631K
0.018	9.0	26.5	183S108A401K	11.5	26.5	183S108A631K
0.022	9.5	26.5	223S108A401K	12.5	26.5	223S108A631K
0.027	10.0	26.5	273S108A401K	12.5	32.0	273S108A631K
0.033	10.5	26.5	333S108A401K	13.5	32.0	333S108A631K
0.039	10.0	32.0	393S108A401K	14.5	32.0	393S108A631K
0.047	11.0	32.0	473S108A401K	15.5	32.0	473S108A631K
0.056	11.5	32.0	563S108A401K	14.5	45.0	563S108A631K
0.068	12.5	32.0	683S108A401K	15.5	45.0	683S108A631K
0.082	14.0	32.0	823S108A401K	16.5	45.0	823S108A631K
0.1	15.0	32.0	104S108A401K	18.0	45.0	104S108A631K
0.12	14.5	45.0	124S108A401K	19.5	45.0	124S108A631K
0.15	15.5	45.0	154S108A401K	21.5	45.0	154S108A631K
0.18	16.5	45.0	184S108A401K	22.5	45.0	184S108A631K
0.22	18.0	45.0	224S108A401K	25.0	45.0	224S108A631K
0.27	20.0	45.0	274S108A401K			
0.33	22.0	45.0	334S108A401K			
0.39	24.0	45.0	394S108A401K			
0.47	26.0	45.0	474S108A401K			

*Other Values, Voltages, And Dimensions Are Available On Request



Metallized Polyester · Film Capacitors

Class Y Interference Suppression Capacitors

TYPE	DESIGN	CAPACITANCE (μF)	TOLERANCE	PAGE NO.
MEY	Radial Box	.001μF ~ .047μF	±5%(J) ±10%(K) ±20%(M)	3 - 125



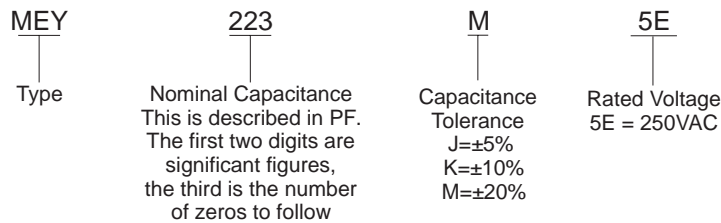
Features

- 1) Non-inductive construction
- 2) Self-healing property
- 3) Flame-retardant plastic case and epoxy resin (compliance with UL 94V-0)
- 4) High moisture-resistance
- 5) Good solderability (tinplated with 60Sn/40Pb)

Applications

- 1) Line By-Pass
- 2) Antenna coupling
- 3) Across-The-Line
- 4) Spark killer circuits
- 5) Available for EMI filter application
- 6) Switching power supply

Part Numbering System



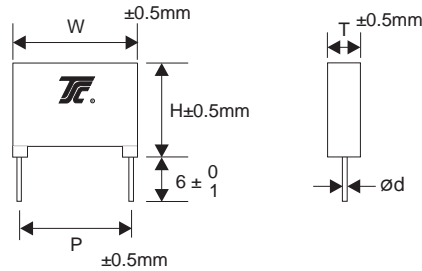
Specifications

- 1) Operating Temperature Range: -40 ~ +85°C
- 2) Dissipation Factor: $DF \leq 1.0\%$ when measured at 1KHz 25°C
- 3) Rated Voltage: 250VAC, 50Hz/60Hz
- 4) Dielectric Strength: Applied 1500 VAC for 1 minute
- 5) Insulation Resistance: $IR \geq 15000 M \Omega$ measured after a charging voltage $100 \pm 15VDC$ for 1 minute



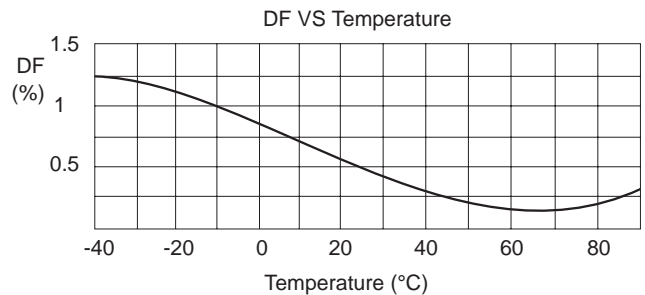
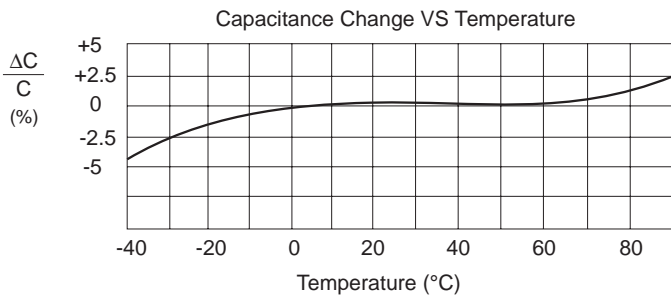
Metallized Polyester

TYPE-MEY Series



Part No.	Capacitance	W	H	T	P	dø
MEY102*5E	.001	13.0	11.0	5.0	10.0	0.6
MEY122*5E	.0012	13.0	11.0	5.0	10.0	0.6
MEY152*5E	.0015	13.0	11.0	5.0	10.0	0.6
MEY182*5E	.0018	13.0	11.0	5.0	10.0	0.6
MEY222*5E	.0022	13.0	11.0	5.0	10.0	0.6
MEY272*5E	.0027	13.0	11.0	5.0	10.0	0.6
MEY332*5E	.0033	13.0	12.0	6.0	10.0	0.6
MEY392*5E	.0039	13.0	12.0	6.0	10.0	0.6
MEY472*5E	.0047	13.0	12.0	6.0	10.0	0.6
MEY562*5E	.0056	18.0	12.0	6.0	15.0	0.8
MEY682*5E	.0068	18.0	12.0	6.0	15.0	0.8
MEY822*5E	.0082	18.0	13.5	7.5	15.0	0.8
MEY103*5E	.01	18.0	13.5	7.5	15.0	0.8
MEY123*5E	.012	18.0	13.5	7.5	15.0	0.8
MEY153*5E	.015	18.0	14.5	8.5	15.0	0.8
MEY183*5E	.018	26.5	15.0	6.0	22.5	0.8
MEY223*5E	.022	26.5	15.0	6.0	22.5	0.8
MEY273*5E	.027	26.5	16.0	7.0	22.5	0.8
MEY333*5E	.033	26.5	16.0	7.0	22.5	0.8
MEY393*5E	.039	26.5	17.5	8.5	22.5	0.8
MEY473*5E	.047	26.5	19.0	10.0	22.5	0.8

* Capacitance Tolerance Code





Metallized Polypropylene · Film Capacitors

Class X2 Interference Suppression Capacitors

TYPE	DESIGN	CAPACITANCE (μF)	TOLERANCE	PAGE NO.
MPX	Radial Box	.001μF ~ 1.0μF	±10%(K) ±20%(M)	3 - 127



Features

- 1) 10mm to 27.5mm lead pitch
- 2) Self-healing property
- 3) High moisture-resistance
- 4) Overvoltage stress withstanding
- 5) UL/CSA & European safety regulations class X2 (meeting EN132 400 1994/IE384-14 2nd 1993)
- 6) Flame retardant plastic case and epoxy resin (UL-class 94V-0)

Applications

- 1) Line By-Pass
- 2) Antenna coupling
- 3) Across-The-Line
- 4) Spark killer circuits
- 5) Available for EMI filter application
- 6) Switching power supply

Part Numbering System

MPX	104	K	7E	S	P15
Type	Nominal Capacitance This is described in PF. The first two digits are significant figures, the third is the number of zeros to follow	Capacitance Tolerance K=±10% M=±20%	Rated Voltage 7E = 275VAC	Lead Length S=6+0-1mm U=15+2-0mm X=20+2-0mm	Lead Pitch P10=10.0±0.5mm P15=15.0±0.5mm P22.5=22.5±0.5mm P27.5=27.5±0.5mm

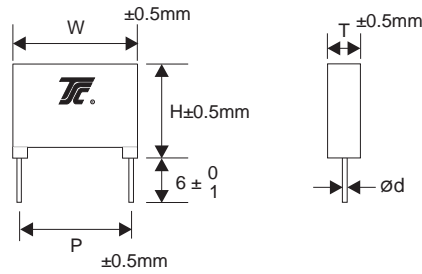
Specifications

- 1) Operating Temperature Range: -40°C ~ +100°C
- 2) Dissipation Factor:
(at 1KHz 25°C) $C \leq .0082\mu\text{F}$, DF: 1.0% max
 $C \geq .01\mu\text{F}$, DF: 0.1% max
- 3) Rated Voltage: 275VAC 50Hz ~ 60Hz
- 4) Dielectric Strength: Applied 1185VDC for 60 seconds or 2000VDC for 1 second
- 5) Insulation Resistance: $C \leq .33\mu\text{F}$, IR $\geq 15000\text{MW}$
(measured at 100±15vdc 60sec at 25°C) $C > .33\mu\text{F}$, IR $\geq 5000\text{MW}\mu\text{F}$



Metallized Polypropylene

TYPE-MPX Series



Part No.	Capacitance	W	H	T	P	ϕ
MPX102*7E**P10	.0010	13.0	11.0	5.0	10.0	0.6
MPX122*7E**P10	.0012	13.0	11.0	5.0	10.0	0.6
MPX152*7E**P10	.0015	13.0	11.0	5.0	10.0	0.6
MPX182*7E**P10	.0018	13.0	11.0	5.0	10.0	0.6
MPX222*7E**P10	.0022	13.0	11.0	5.0	10.0	0.6
MPX272*7E**P10	.0027	13.0	11.0	5.0	10.0	0.6
MPX332*7E**P10	.0033	13.0	11.0	5.0	10.0	0.6
MPX392*7E**P10	.0039	13.0	11.0	5.0	10.0	0.6
MPX472*7E**P10	.0047	13.0	11.0	5.0	10.0	0.6
MPX562*7E**P10	.0056	13.0	11.0	5.0	10.0	0.6
MPX682*7E**P10	.0068	13.0	11.0	5.0	10.0	0.6
MPX822*7E**P10	.0082	13.0	11.0	5.0	10.0	0.6
MPX103*7E**P10	.010	13.0	11.0	5.0	10.0	0.6
MPX103*7E**P15	.010	18.0	11.0	5.0	15.0	0.8
MPX123*7E**P15	.012	18.0	11.0	5.0	15.0	0.8
MPX153*7E**P15	.015	18.0	11.0	5.0	15.0	0.8
MPX183*7E**P15	.018	18.0	11.0	5.0	15.0	0.8
MPX223*7E**P15	.022	18.0	11.0	5.0	15.0	0.8
MPX273*7E**P15	.027	18.0	11.0	5.0	15.0	0.8
MPX333*7E**P15	.033	18.0	11.0	5.0	15.0	0.8
MPX393*7E**P15	.039	18.0	11.0	5.0	15.0	0.8
MPX473*7E**P15	.047	18.0	11.0	5.0	15.0	0.8
MPX563*7E**P15	.056	18.0	11.0	5.0	15.0	0.8
MPX683*7E**P15	.068	18.0	12.0	6.0	15.0	0.8
MPX823*7E**P15	.082	18.0	12.0	6.0	15.0	0.8
MPX104*7E**P15	.10	18.0	12.0	6.0	15.0	0.8
MPX124*7E**P15	.12	18.0	13.5	7.5	15.0	0.8
MPX154*7E**P15	.15	18.0	14.5	8.5	15.0	0.8
MPX154*7E**P22.5	.15	26.5	15.0	6.0	22.5	0.8
MPX184*7E**P22.5	.18	26.5	16.0	7.0	22.5	0.8
MPX224*7E**P15	.22	18.0	15.5	9.5	15.0	0.8
MPX224*7E**P22.5	.22	26.5	16.0	7.0	22.5	0.8
MPX274*7E**P22.5	.27	26.5	17.5	8.5	22.5	0.8
MPX334*7E**P22.5	.33	26.5	17.5	8.5	22.5	0.8
MPX334*7E**P27.5	.33	31.5	17.5	8.0	27.5	0.8
MPX394*7E**P22.5	.39	26.5	19.0	10.0	22.5	0.8
MPX474*7E**P22.5	.47	26.5	19.0	10.0	22.5	0.8
MPX474*7E**P27.5	.47	31.5	20.0	11.0	27.5	0.8
MPX564*7E**P27.5	.56	31.5	20.0	11.0	27.5	0.8
MPX684*7E**P27.5	.68	31.5	20.0	11.0	27.5	0.8
MPX824*7E**P27.5	.82	31.5	20.0	13.0	27.5	0.8
MPX105*7E**P27.5	1.0	31.5	20.0	13.0	27.5	0.8

* Capacitance Tolerance Code
 **Lead Length Code



Metallized Polyester · Film Capacitors

Class X2 Interference Suppression Capacitors

TYPE	DESIGN	CAPACITANCE (μF)	TOLERANCE	PAGE NO.
MEX	Radial Box	0.001μF ~ .47μF	±5%(J) ±10%(K) ±20%(M)	3 - 129



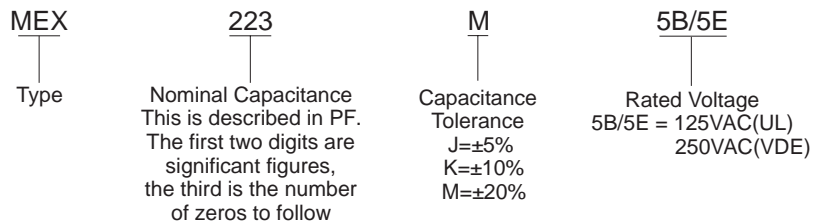
Features

- 1) 10mm to 27.5mm lead pitch
- 2) Self-healing property
- 3) High moisture-resistance
- 4) Overvoltage stress withstanding
- 5) UL/CSA & European safety regulations class X2 (meeting EN132 400 1994/IE384-14 2nd 1993)
- 6) Flame retardant plastic case and epoxy resin (UL-class 94V-0)

Applications

- 1) Line By-Pass
- 2) Antenna coupling
- 3) Across-The-Line
- 4) Spark killer circuits
- 5) Available for EMI filter application
- 6) Switching power supply

Part Numbering System



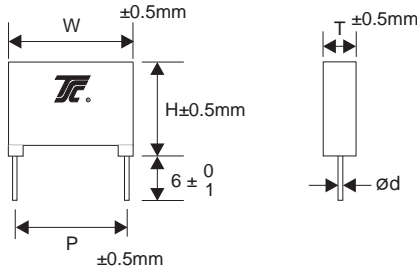
Specifications

- | | |
|---|---|
| 1) Operating Temperature Range: | -40°C ~ +85°C |
| 2) Dissipation Factor: | 1.0%max (at 1KHz 25°C) |
| 3) Rated Voltage: | 250VAC 50Hz ~ 60Hz |
| 4) Dielectric Strength: | Applied 1075VAC for 1 minute
or 2000VDC for 1 second |
| 5) Insulation Resistance:
(measured at 100±15vdc 60 sec at 25°C) | C ≤ .33μF, IR ≥ 15000MΩ
C > .33μF, IR ≥ 5000MΩμF |



Metallized Polyester

TYPE-MEX Series



Part No.	Capacitance	W	H	T	P	dø
MEX102*5B/5E	.001	13.0	11.0	5.0	10.0	0.6
MEX122*5B/5E	.0012	13.0	11.0	5.0	10.0	0.6
MEX152*5B/5E	.0015	13.0	11.0	5.0	10.0	0.6
MEX182*5B/5E	.0018	13.0	11.0	5.0	10.0	0.6
MEX222*5B/5E	.0022	13.0	11.0	5.0	10.0	0.6
MEX272*5B/5E	.0027	13.0	11.0	5.0	10.0	0.6
MEX332*5B/5E	.0033	13.0	11.0	5.0	10.0	0.6
MEX392*5B/5E	.0039	13.0	11.0	5.0	10.0	0.6
MEX472*5B/5E	.0047	13.0	11.0	5.0	10.0	0.6
MEX562*5B/5E	.0056	13.0	11.0	5.0	10.0	0.6
MEX682*5B/5E	.0068	13.0	11.0	5.0	10.0	0.6
MEX822*5B/5E	.0082	13.0	11.0	5.0	10.0	0.6
MEX103*5B/5E	.01	13.0	11.0	5.0	10.0	0.6
MEX123*5B/5E	.012	13.0	11.0	5.0	10.0	0.6
MEX153*5B/5E	.015	13.0	11.0	5.0	10.0	0.6
MEX183*5B/5E	.018	13.0	12.0	6.0	10.0	0.6
MEX223*5B/5E	.022	13.0	12.0	6.0	10.0	0.6
MEX273*5B/5E	.027	13.0	12.0	6.0	10.0	0.6
MEX333*5B/5E	.033	18.0	11.0	5.0	15.0	0.8
MEX393*5B/5E	.039	18.0	11.0	5.0	15.0	0.8
MEX473*5B/5E	.047	18.0	11.0	5.0	15.0	0.8
MEX563*5B/5E	.056	18.0	12.0	6.0	15.0	0.8
MEX683*5B/5E	.068	18.0	13.5	7.5	15.0	0.8
MEX823*5B/5E	.082	18.0	13.5	7.5	15.0	0.8
MEX104*5B/5E	.1	18.0	13.5	7.5	15.0	0.8
MEX124*5B/5E	.12	18.0	14.5	8.5	15.0	0.8
MEX154*5B/5E	.15	26.5	17.5	8.5	22.5	0.8
MEX184*5B/5E	.18	26.5	17.5	8.5	22.5	0.8
MEX224*5B/5E	.22	26.5	19.0	10.0	22.5	0.8
MEX274*5B/5E	.27	26.5	19.0	10.0	22.5	0.8
MEX334*5B/5E	.33	31.5	20.0	11.0	27.5	0.8
MEX394*5B/5E	.39	31.5	20.0	11.0	27.5	0.8
MEX474*5B/5E	.47	31.5	22.0	13.0	27.5	0.8

* Capacitance Tolerance Code

