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

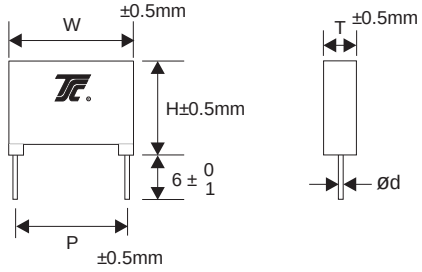
MPX	104	K	7E	S	P15
Type	Nominal Capacitance This is described in PF. The first two digits are significant figures, the third is the number of zeros to follow	Capacitance Tolerance K=±10% M=±20%	Rated Voltage 7E = 275VAC	Lead Length S=6+0-1mm U=15+2-0mm X=20+2-0mm	Lead Pitch P10=10.0±0.5mm P15=15.0±0.5mm 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 ≤ .0082µF, DF: 1.0% max C ≥ .01µF, 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: (measured at 100±15vdc 60sec at 25°C)	C ≤ .33µF, IR ≥ 15000MW C > .33µF, IR ≥ 5000MWµF

Metallized Polypropylene

TYPE-MPX Series



Part No.	Capacitance	W	H	T	P	dø
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