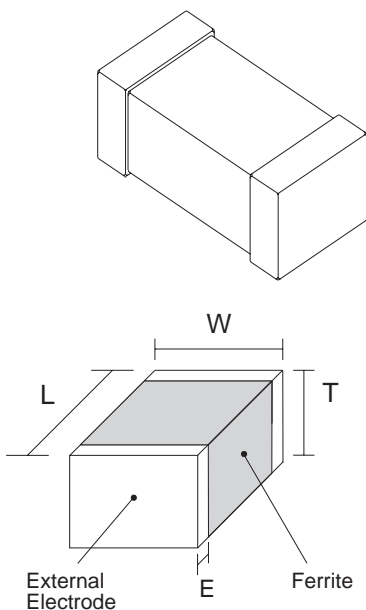




Multilayer Chip Inductors

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.

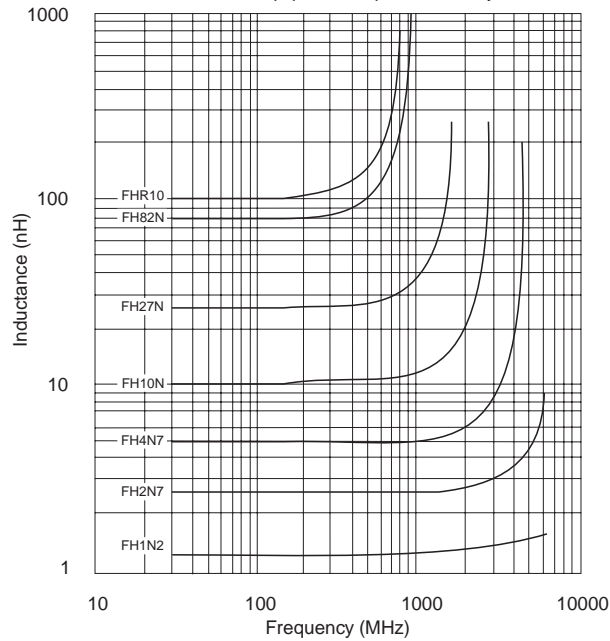


Multilayer Chip Inductors

HL0603 Series • Performance Curves

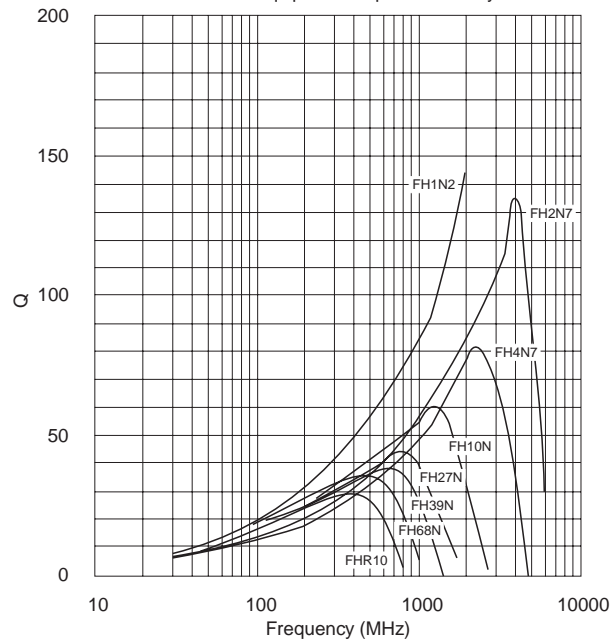
IMPEDANCE vs. FREQUENCY CHARACTERISTICS

Test equipment: Impedance analyzer 4291A



Q vs. FREQUENCY CHARACTERISTICS

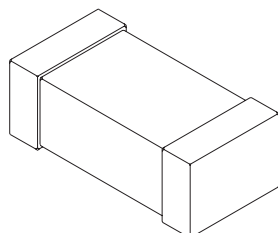
Test equipment: Impedance analyzer 4291A





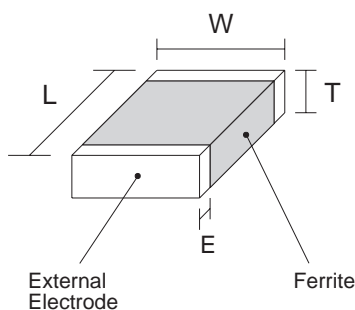
Multilayer Chip Inductors

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.

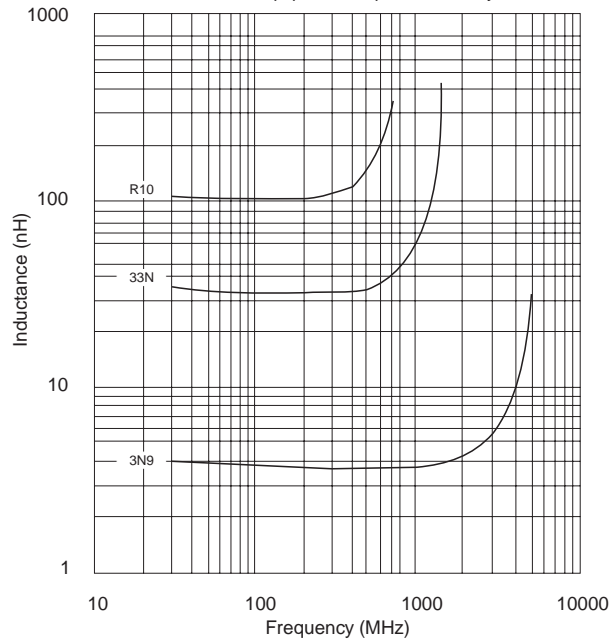


Multilayer Chip Inductors

HL0805 Series • Performance Curves

IMPEDANCE vs. FREQUENCY CHARACTERISTICS

Test equipment: Impedance analyzer 4291A



Q vs. FREQUENCY CHARACTERISTICS

Test equipment: Impedance analyzer 4291A

