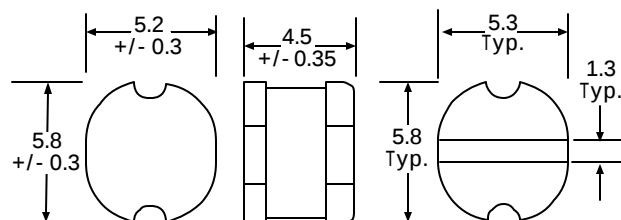
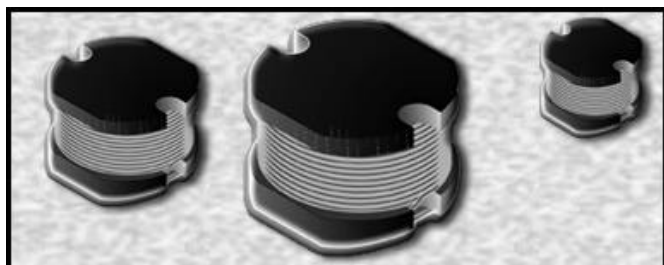


LC54 Power Inductors



CHARACTERISTICS

INDUCTANCE RANGE 10 μ H to 220 μ H.

TOLERANCE 10% over entire range.

CURRENT RATING Current to cause maximum 10% of inductance drop, or 40°C temperature rise.

OPERATING TEMPERATURE -30°C to +100°C.

FEATURES

- High current rating
- Low core loss for high frequency power application

APPLICATIONS

- DC/DC Converters
- Computers
- Telecommunications equipment
- Filters
- LCD display

PART NUMBER	L $\pm$ 10% μ H	TEST FREQUENCY (MHz)	SELF RESONANT FREQUENCY TYPICAL (MHz)	DC RESISTANCE MAXIMUM (OHMS)	RATED DC CURRENT MAXIMUM (AMPS)
LC54-100K	10	2.5	30.6	0.10	1.44
LC54-120K	12	2.5	27.7	0.12	1.40
LC54-150K	15	2.5	25.9	0.14	1.30
LC54-180K	18	2.5	23.3	0.15	1.23
LC54-220K	22	2.5	19.5	0.18	1.11
LC54-370K	27	2.5	17.5	0.20	0.97
LC54-330K	33	2.5	16.3	0.23	0.88
LC54-390K	39	2.5	15.8	0.32	0.80
LC54-470K	47	2.5	13.6	0.37	0.72
LC54-560K	56	2.5	12.1	0.42	0.68
LC54-680K	68	2.5	11.7	0.46	0.61
LC54-820K	82	2.5	10.2	0.60	1.58
TEST FREQUENCY (kHz)					
LC54-101K	100	1.0	9.24	0.70	0.52
LC54-121K	120	1.0	8.61	0.93	0.48
LC54-151K	150	1.0	8.28	1.10	0.40
LC54-181K	180	1.0	6.42	1.38	0.38
LC54-221K	220	1.0	5.73	1.57	0.35