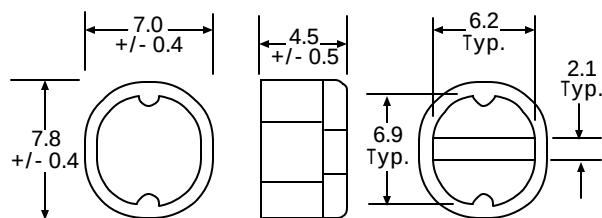


LC75S SMD Shielded Power Inductors



FEATURES

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

APPLICATIONS

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

CHARACTERISTICS

INDUCTANCE RANGE 1 μ H to 68 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.

PART NUMBER	L $\pm$ 20% μ H	TEST FREQUENCY (MHz)	SELF RESONANT FREQUENCY TYPICAL (MHz)	DC RESISTANCE MAXIMUM (OHMS)	RATED DC CURRENT MAXIMUM (AMPS)
LC75S-100M	10	2.5	29	0.07	1.64
LC75S-120M	12	2.5	26	0.08	1.50
LC75S-150M	15	2.5	21	0.09	1.34
LC75S-180M	18	2.5	20	0.11	1.22
LC75S-220M	22	2.5	19	0.12	1.10
LC75S-270M	27	2.5	17	0.17	1.00
LC75S-330M	33	2.5	16	0.19	0.90
LC75S-390M	39	2.5	15	0.21	0.83
LC75S-470M	47	2.5	12	0.24	0.75
LC75S-560M	56	2.5	11	0.32	0.69
LC75S-680M	68	2.5	10	0.37	0.63
LC75S-820M	82	2.5	10	0.40	0.57
TEST FREQUENCY (kHz)					
LC75S-101M	100	1.0	9	0.54	0.52
LC75S-121M	120	1.0	7.5	0.62	0.47
LC75S-151M	150	1.0	7	0.86	0.42
LC75S-181M	180	1.0	6.5	0.97	0.38
LC75S-221M	220	1.0	5	1.31	0.35
LC75S-271M	270	1.0	4.5	1.46	0.31