



Notes for LC70S shielded power inductor:

Operating Temperature Range: $-40^{\circ}\text{C} \sim +125^{\circ}\text{C}$.

Inductance tolerance: $M = \pm 20\%$ over the entire inductance range.

Itemp Current: Value obtained when current flows and the temperature has risen to 20°C .

Magnetically shielded construction.

Isat: Value obtained when DC current flows and the initial value of inductance has fallen by 10%.

Test equipment: Inductance measured on HP 4284A LF impedance analyzer or equivalent, at 1 KHz / 0.5V, and DCR measured on Chen Hwa CH502BC.

Manufactured to RoHS compliance.

Part number	Inductance [μH , $\pm 20\%$]	Test Frequency [KHz @ 0.5V]	DC Resistance [$\Omega \pm 20\%$]	Isat [A]	Itemp [A] Max.
LC70S-3R3M	3.3	1	0.020	2.50	2.30
LC70S-4R7M	4.7	1	0.030	2.00	2.10
LC70S-6R8M	6.8	1	0.039	1.70	1.74
LC70S-100M	10	1	0.036	1.30	1.78
LC70S-150M	15	1	0.052	1.10	1.53
LC70S-220M	22	1	0.061	0.90	1.34
LC70S-330M	33	1	0.096	0.82	1.09
LC70S-470M	47	1	0.125	0.75	0.92
LC70S-680M	68	1	0.175	0.60	0.77
LC70S-101M	100	1	0.250	0.50	0.65
LC70S-151M	150	1	0.340	0.40	0.55
LC70S-221M	220	1	0.520	0.33	0.45
LC70S-331M	330	1	0.740	0.25	0.37
LC70S-471M	470	1	1.050	0.22	0.31
LC70S-681M	680	1	1.480	0.20	0.27
LC70S-102M	1000	1	2.280	0.14	0.25