



Dimensions in mm

Notes for LC58S shielded inductor:

Rated Current: Indicates the current when the inductance decreases to 65% of its nominal value or DC current when the temperature rise, $\Delta T = 40^\circ\text{C}$, whichever is lower.

Operating Temperature Range: $-30^\circ\text{C} \sim +100^\circ\text{C}$.

Inductance Tolerance: $T \pm 30\%$ over the entire inductance range.

Magnetically shielded construction.

Manufactured to RoHS compliance.

Part number	Inductance [$\mu\text{H} \pm 30\%$]	Test Frequency @ 1.0V	DC Resistance Ohms Max	Rated Current DC Amps Max
LC58S-2R5T	2.5	10 KHz	0.018	2.6
LC58S-3R0T	3.0	10 KHz	0.024	2.4
LC58S-4R2T	4.2	10 KHz	0.031	2.2
LC58S-5R3T	5.3	10 KHz	0.038	1.9
LC58S-6R2T	6.2	10 KHz	0.045	1.8
LC58S-8R2T	8.2	10 KHz	0.053	1.6
LC58S-100T	10	10 KHz	0.065	1.3
LC58S-120T	12	10 KHz	0.076	1.2
LC58S-150T	15	10 KHz	0.103	1.1
LC58S-220T	18	10 KHz	0.110	1.0
LC58S-180T	22	10 KHz	0.122	0.90
LC58S-270T	27	10 KHz	0.175	0.85
LC58S-330T	33	10 KHz	0.189	0.75
LC58S-390T	39	10 KHz	0.212	0.70
LC58S-470T	47	10 KHz	0.250	0.62
LC58S-560T	56	10 KHz	0.305	0.58
LC58S-680T	68	10 KHz	0.355	0.52
LC58S-820T	82	10 KHz	0.463	0.46
LC58S-101T	100	10 KHz	0.520	0.42