



Dimensions in mm

Notes for LC127S shielded power inductor:
 Inductance Tolerance:
 N = - 20% ~ + 40% from 1.2 μ H to 7.6 μ H,
 M = \pm 20% from 10 μ H to 1000 μ H.

Operating Temperature Range: - 40°C ~ + 105°C.
 Isat: Inductance drop = 35% typical.
 Magnetically shielded construction.
 Manufactured to RoHS compliance.

Part number	Inductance [μ H]	Test Frequency @ 1.0V	DC Resistance Ohms Max.	Rated Current DC Amps Max.
LC127S-1R2N	1.2	100 KHz	0.0070	9.80
LC127S-2R4N	2.4	100 KHz	0.0115	8.00
LC127S-3R5N	3.5	100 KHz	0.0135	7.50
LC127S-4R7N	4.7	100 KHz	0.0158	6.80
LC127S-6R1N	6.1	100 KHz	0.0176	6.60
LC127S-7R6N	7.6	100 KHz	0.0200	5.90
LC127S-100M	10	1 KHz	0.0216	5.40
LC127S-120M	12	1 KHz	0.0243	4.90
LC127S-150M	15	1 KHz	0.0270	4.50
LC127S-180M	18	1 KHz	0.0392	3.90
LC127S-220M	22	1 KHz	0.0432	3.60
LC127S-270M	27	1 KHz	0.0459	3.40
LC127S-330M	33	1 KHz	0.0648	3.00
LC127S-390M	39	1 KHz	0.0729	2.75
LC127S-470M	47	1 KHz	0.100	2.50
LC127S-560M	56	1 KHz	0.110	2.35
LC127S-680M	68	1 KHz	0.140	2.10
LC127S-820M	82	1 KHz	0.160	1.95
LC127S-101M	100	1 KHz	0.220	1.70
LC127S-121M	120	1 KHz	0.250	1.60
LC127S-151M	150	1 KHz	0.280	1.42
LC127S-181M	180	1 KHz	0.350	1.30
LC127S-221M	220	1 KHz	0.390	1.16
LC127S-271M	270	1 KHz	0.560	1.06
LC127S-331M	330	1 KHz	0.640	0.95
LC127S-391M	390	1 KHz	0.700	0.88
LC127S-471M	470	1 KHz	0.980	0.79
LC127S-561M	560	1 KHz	1.070	0.73
LC127S-681M	680	1 KHz	1.460	0.67
LC127S-821M	820	1 KHz	1.640	0.60
LC127S-102M	1000	1 KHz	1.820	0.55