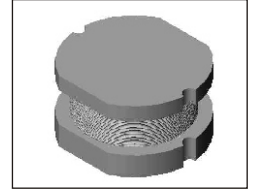


SMT Power Inductor

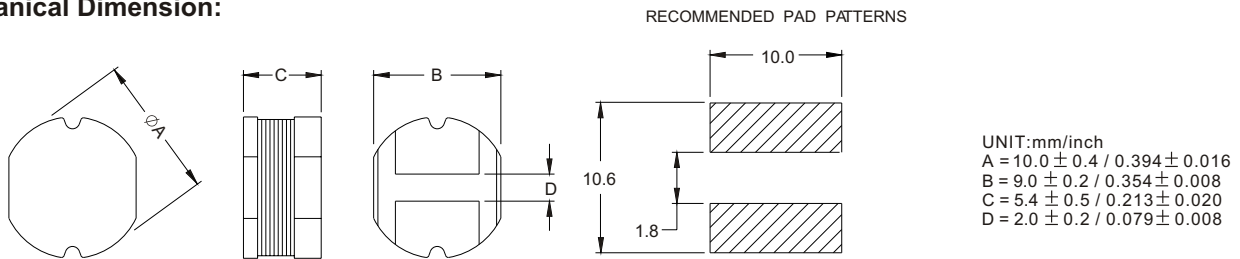
SI106 Type

Features

- RoHS compliant.
- Low profile (5.9mm max. height) SMD type.
- Unshielded.
- Self-leads, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.

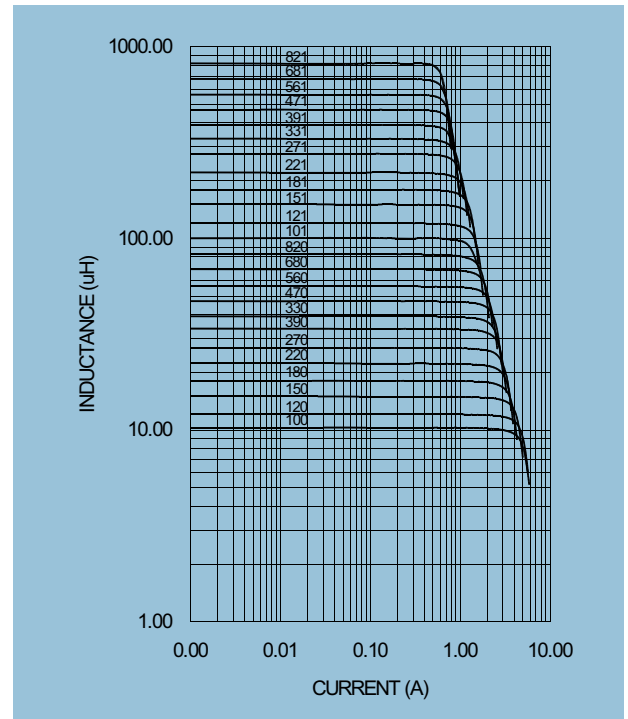


Mechanical Dimension:



Electrical Characteristics: 25°C, 100KHz, 0.1V for 1.2~6.8uH, B-150 & A-101, 1KHz, 1.0V for others.

PART NO.	L ¹ (uH)	DCR (Ω) MAX	I _{rated} ² (A dc)
SI106 - 1R2	1.2	0.009	7.50
SI106 - 1R7C	1.7	0.006	10.00
SI106 - 2R2	2.2	0.010	7.00
SI106 - 3R1	3.1	0.013	6.00
SI106 - 3R9	3.9	0.017	6.00
SI106 - 4R7	4.7	0.020	4.20
SI106 - 6R8	6.8	0.028	3.60
SI106 - 100	10.0	0.060	2.60
SI106 - 120	12.0	0.070	2.45
SI106 - 150	15.0	0.080	2.27
SI106B - 150	15.0	0.060	3.50
SI106 - 180	18.0	0.090	2.15
SI106 - 220	22.0	0.100	1.95
SI106 - 270	27.0	0.110	1.76
SI106 - 330	33.0	0.120	1.50
SI106 - 390	39.0	0.140	1.37
SI106 - 470	47.0	0.170	1.28
SI106 - 560	56.0	0.190	1.17
SI106 - 680	68.0	0.220	1.11
SI106 - 820	82.0	0.250	1.00
SI106 - 101	100.0	0.350	0.97
SI106A - 101	100.0	0.350	1.22
SI106 - 121	120.0	0.400	0.89
SI106 - 151	150.0	0.470	0.78
SI106 - 181	180.0	0.630	0.72
SI106 - 221	220.0	0.730	0.66
SI106 - 271	270.0	0.970	0.57
SI106 - 331	330.0	1.150	0.52
SI106 - 391	390.0	1.300	0.48
SI106 - 471	470.0	1.480	0.42
SI106 - 561	560.0	1.900	0.33
SI106 - 681	680.0	2.250	0.28
SI106 - 821	820.0	2.550	0.24



1. Tolerance of inductance : ±15% for 1.2~6.8uH, ±10% for 10~820uH.
2. I_{rated} is the DC current which cause the inductance drop less than 10%(15% for 1R7C) of its nominal inductance without current and the surface temperature of the part increase less than 45°C.
3. Operating temperature: -20°C to 105°C (including self-temperature rise).



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