

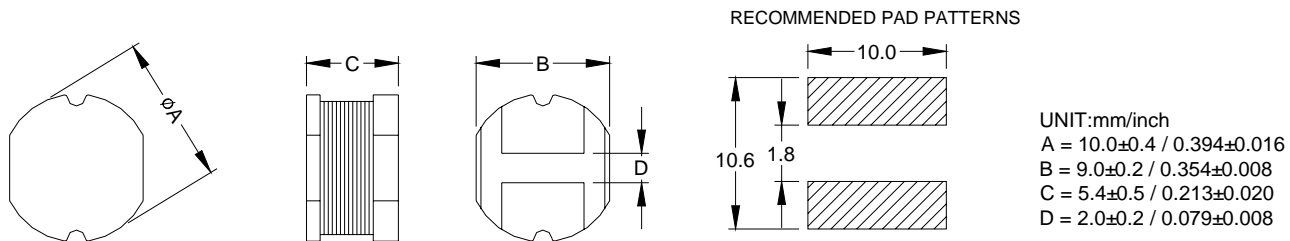
SMT Power Inductor

SI 106 Type

Features

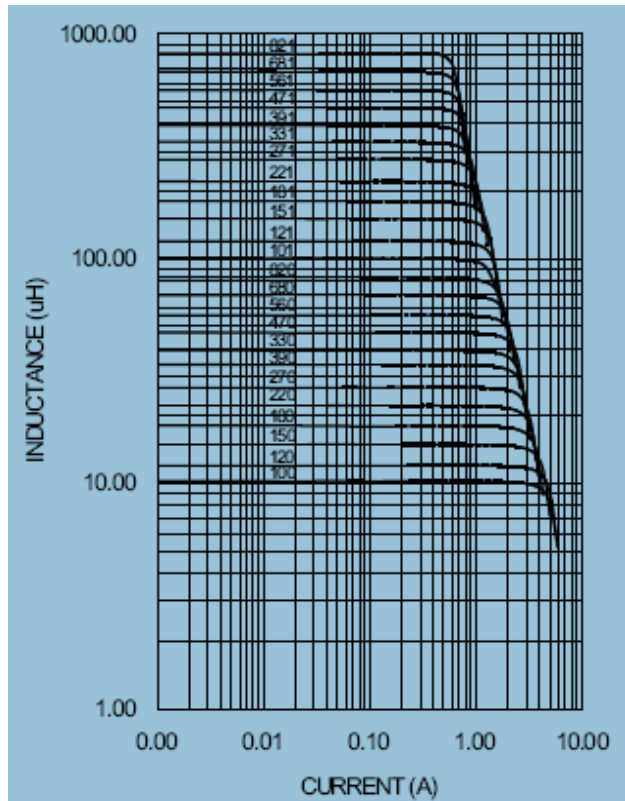
- RoHS compliant.
- Low profile (5.9mm max.Height)), SMD type.
- Unshielded.
- Self-leads,suitable for high density mounting.
- High energy storage and low DCR
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In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

Mechanical Dimension:



Electrical Characteristics: 25 , 100KHz, 0.1V for 1.2~6.8uH 1KHz,1.0V for others.

PART NO.	L ¹ (uH)	DCR (Ω) MAX	I _{rated} ² (A dc)
SI106-1R2L	1.20	0.009	7.50
SI106-3R1L	3.10	0.013	6.00
SI106-3R9L	3.90	0.017	6.00
SI106-4R7L	4.70	0.020	4.20
SI106-6R8L	6.80	0.028	3.60
SI106-100K	10.00	0.060	2.60
SI106-120K	12.00	0.070	2.45
SI106-150K	15.00	0.080	2.27
SI106-180K	18.00	0.090	2.15
SI106-220K	22.00	0.100	1.95
SI106-270K	27.00	0.110	1.76
SI106-330K	33.00	0.120	1.50
SI106-390K	39.00	0.140	1.37
SI106-470K	47.00	0.170	1.28
SI106-560K	56.00	0.190	1.17
SI106-680K	68.00	0.220	1.11
SI106-820K	82.00	0.250	1.00
SI106-101K	100.00	0.350	0.97
SI106-121K	120.00	0.400	0.89
SI106-151K	150.00	0.470	0.78
SI106-181K	180.00	0.630	0.72
SI106-221K	220.00	0.730	0.66
SI106-271K	270.00	0.970	0.57
SI106-331K	330.00	1.150	0.52
SI106-391K	390.00	1.300	0.48
SI106-471K	470.00	1.480	0.42
SI106-561K	560.00	1.900	0.33
SI106-681K	680.00	2.250	0.28
SI106-821K	820.00	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% of its nominal inductance without current and the surface temperature of the part increase less than 45 .
- 3.Operating temperature:-20 to 105 (including self-temperature rise).