

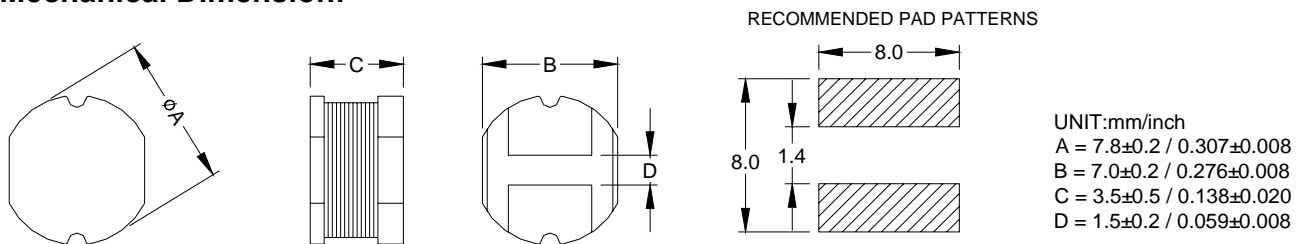
SMT Power Inductor

SI 84 Type

Features

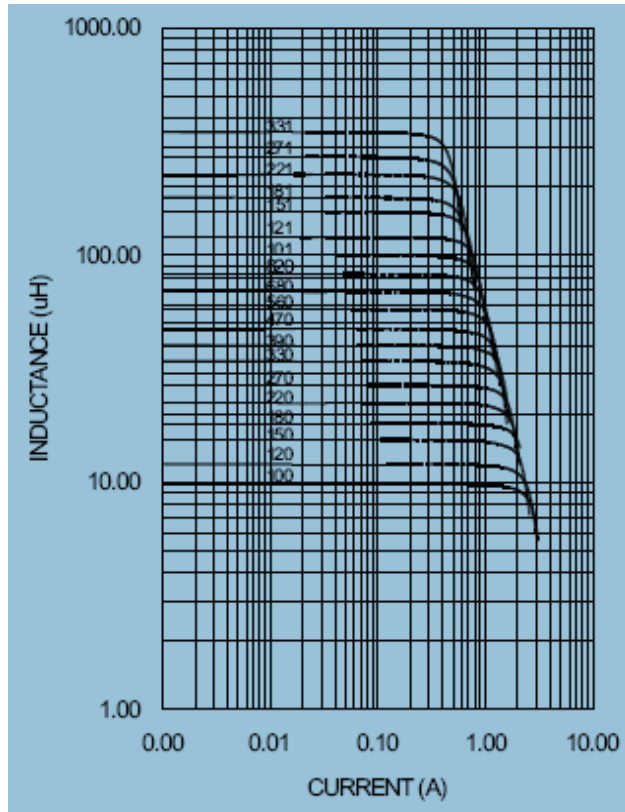
- RoHS compliant.
- Low profile (4.00mm max.Height)), SMD type.
- Unshielded.
- Self-leads,suitable for high density mounting.
- High energy storage and low DCR
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- 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 1.2~4.7uH. 1KHz,1.0V for 10~1000uH

PART NO.	L ¹ (uH)	DCR (Ω) MAX	I _{rated} ² (A)
SI84-4R7L	4.70	0.041	2.00
SI84-100K	10.0	0.080	1.44
SI84-120K	12.0	0.089	1.39
SI84-150K	15.0	0.104	1.24
SI84-180K	18.0	0.111	1.12
SI84-220K	22.0	0.129	1.07
SI84-270K	27.0	0.153	0.94
SI84-330K	33.0	0.170	0.85
SI84-390K	39.0	0.217	0.74
SI84-470K	47.0	0.252	0.68
SI84-560K	56.0	0.282	0.64
SI84-680K	68.0	0.332	0.59
SI84-820K	82.0	0.406	0.54
SI84-101K	100.0	0.481	0.51
SI84-121K	120.0	0.536	0.49
SI84-151K	150.0	0.755	0.40
SI84-181K	180.0	1.022	0.36
SI84-221K	220.0	1.200	0.31
SI84-271K	270.0	1.306	0.29
SI84-331K	330.0	1.495	0.28
SI84-471K	470.0	2.300	0.24
SI84-102K	1000.0	5.500	0.17



- 1.Tolerance of inductance±15% for 1.2~4.7uH, ±10% for 10~1000uH.
- 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 °C.
- 3.Operating temperature:-20 °C to 105 °C (including self-temperature rise).