

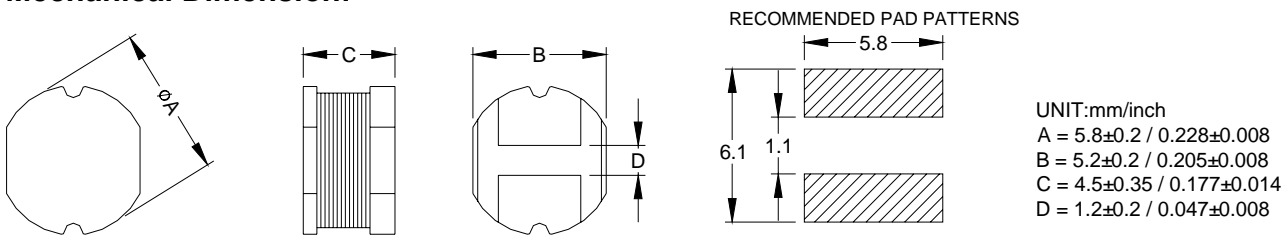
SMT Power Inductor

SI65 Type

Features

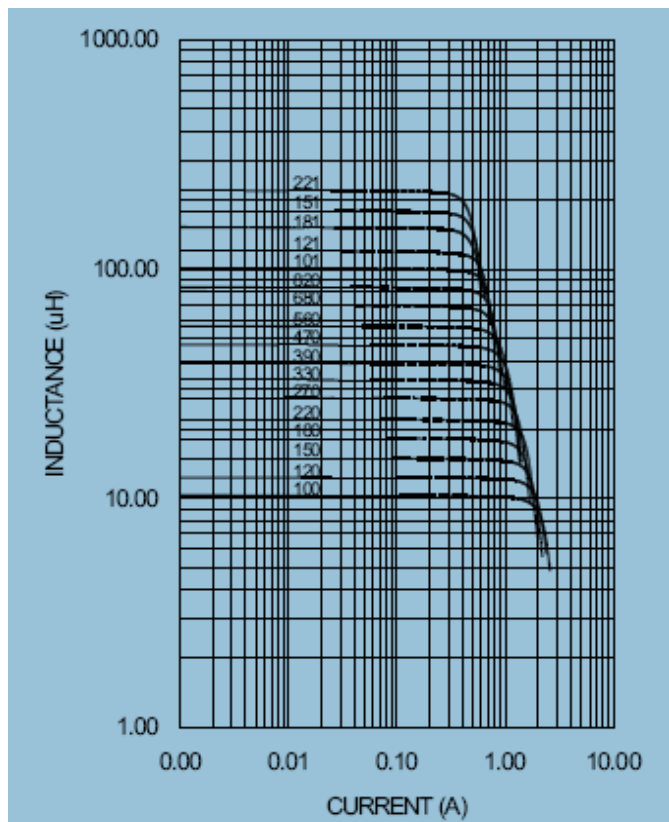
- RoHS compliant.
- Low profile (4.85mm max.Height)), SMD type.
- Unshielded.
- Self-leads,suitable for high density mounting.
- High energy storage and low DCR
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- 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 0.33~8.2uH. 1KHz,1.0V for 10~220uH.

PART NO.	L ¹ (uH)	DCR (Ω) MAX	I _{rated} ² (A dc)
SI65-R56L	0.56	0.0095	6.60
SI65-R82L	0.82	0.0110	6.00
SI65-1R0L	1.00	0.0125	4.50
SI65-1R5L	1.50	0.0160	4.00
SI65-2R2L	2.20	0.0230	3.20
SI65-2R7L	2.70	0.0250	2.90
SI65-3R3L	3.30	0.0300	2.60
SI65-4R7L	4.70	0.0340	2.30
SI65-6R8L	6.80	0.0550	1.80
SI65-8R2L	8.20	0.0600	1.70
SI65-100K	10.00	0.0500	1.50
SI65-120K	12.00	0.1200	1.40
SI65-150K	15.00	0.1400	1.30
SI65-180K	18.00	0.1500	1.20
SI65-220K	22.00	0.1800	1.10
SI65-270K	27.00	0.2000	0.97
SI65-330K	33.00	0.2300	0.88
SI65-390K	39.00	0.3200	0.80
SI65-470K	47.00	0.3700	0.72
SI65-560K	56.00	0.4200	0.68
SI65-680K	68.00	0.4600	0.61
SI65-820K	82.00	0.6000	0.58
SI65-101K	100.00	0.7000	0.52
SI65-121K	120.00	0.9300	0.48
SI65-151K	150.00	1.1000	0.40
SI65-181K	180.00	1.3800	0.38
SI65-221K	220.00	1.5700	0.35



- 1.Tolerance of inductance±15% for 0.33~8.2uH, ±10% for 10~220uH.
- 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).