

SMT Power Inductor

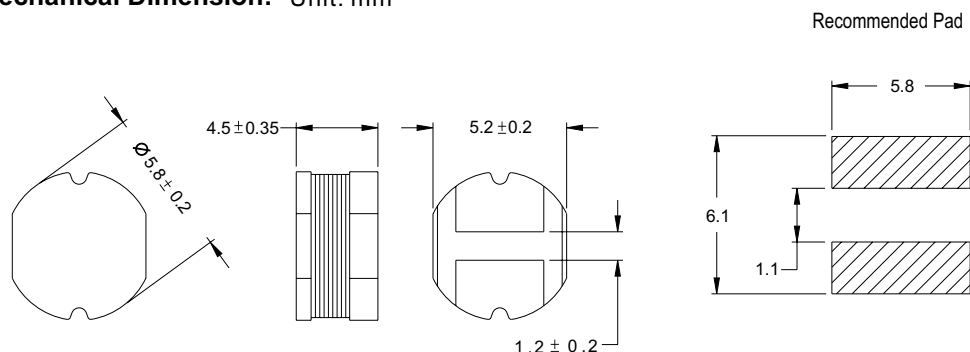
SI65 Type

Features

- Low profile (4.85mm max. Height) SMD type.
- Unshielded.
- Self-leads, suitable for high density monuting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.

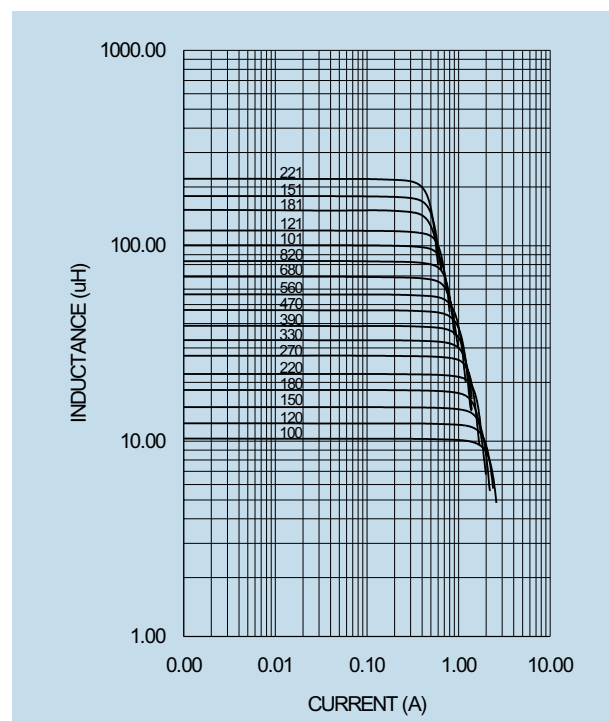


Mechanical Dimension: Unit: mm



Electrical Characteristics:

PART NO.	L ★ (uH)	DCR (Ω) MAX	I _{RATED} ★ ★ (Adc)
SI65 - 100	10	0.10	1.5
SI65 - 120	12	0.12	1.4
SI65 - 150	15	0.14	1.3
SI65 - 180	18	0.15	1.2
SI65 - 220	22	0.18	1.1
SI65 - 270	27	0.20	0.97
SI65 - 330	33	0.23	0.88
SI65 - 390	39	0.32	0.80
SI65 - 470	47	0.37	0.72
SI65 - 560	56	0.42	0.68
SI65 - 680	68	0.46	0.61
SI65 - 820	82	0.60	0.58
SI65 - 101	100	0.70	0.52
SI65 - 121	120	0.93	0.48
SI65 - 151	150	1.10	0.40
SI65 - 181	180	1.38	0.38
SI65 - 221	220	1.57	0.35



★ Tolerance of inductance
10~220uH±10%

★★ I_{RATED}: rated current. ΔL<10%, ΔT<45°C at I_{RATED}

★★★ Operating temperature: -20°C to 105°C (including self-temperature rise)

★★★★ Test condition at 25°C: 1KHz, 1V



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