

SMT Power Inductor

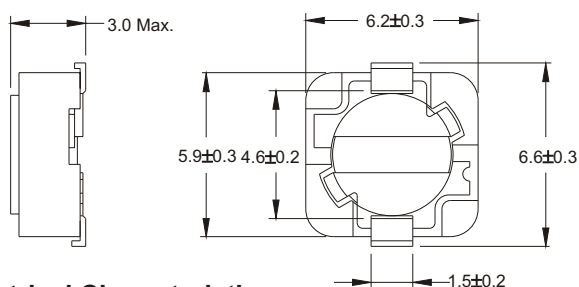
SIQ63 Type

Features

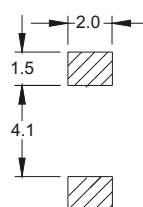
- Small size (6.2mm*6.6mm), low profile (3.0mm max. height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.



Mechanical Dimension: Unit: mm

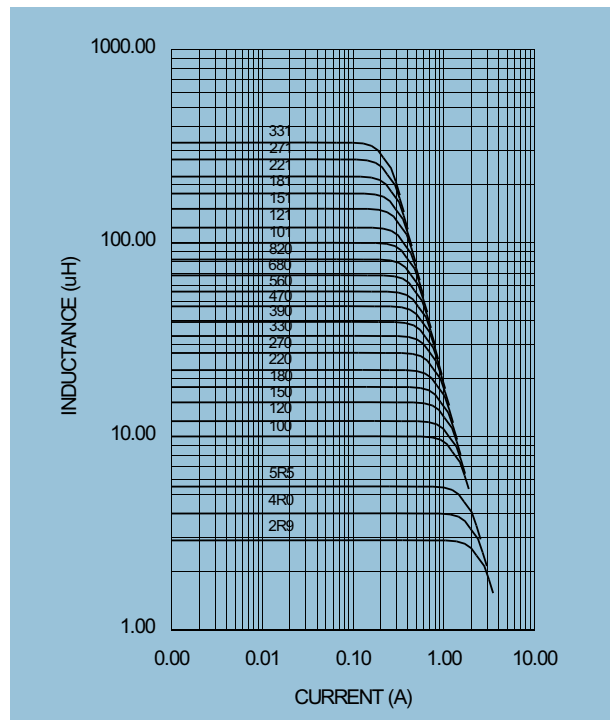


Recommended Pad



Electrical Characteristics:

PART NO.	L* (uH)	DCR (Ω) MAX	I _{RATED} ★ ★ (Adc)
SIQ63 - 2R9	2.9	0.068	1.94
SIQ63 - 4R0	4.0	0.080	1.63
SIQ63 - 5R5	5.5	0.096	1.40
SIQ63 - 100	10	0.150	1.10
SIQ63 - 120	12	0.200	1.00
SIQ63 - 150	15	0.230	0.90
SIQ63 - 180	18	0.270	0.80
SIQ63 - 220	22	0.340	0.74
SIQ63 - 270	27	0.380	0.66
SIQ63 - 330	33	0.450	0.59
SIQ63 - 390	39	0.490	0.54
SIQ63 - 470	47	0.690	0.50
SIQ63 - 560	56	0.780	0.46
SIQ63 - 680	68	1.070	0.42
SIQ63 - 820	82	1.210	0.38
SIQ63 - 101	100	1.390	0.34
SIQ63 - 121	120	1.900	0.31
SIQ63 - 151	150	2.180	0.28
SIQ63 - 181	180	2.770	0.26
SIQ63 - 221	220	3.120	0.23
SIQ63 - 271	270	4.380	0.22
SIQ63 - 331	330	4.940	0.19



★ Tolerance of inductance
2.9~330uH±20%

★★ I_{RATED}: rated current. ΔL<25%, ΔT<45°C at I_{RATED}

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

★★★★ Test condition at 25°C: 2.9~5.5uH 100KHz, 0.1V 10~330uH 1KHz, 1V



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