

SMT Power Inductor

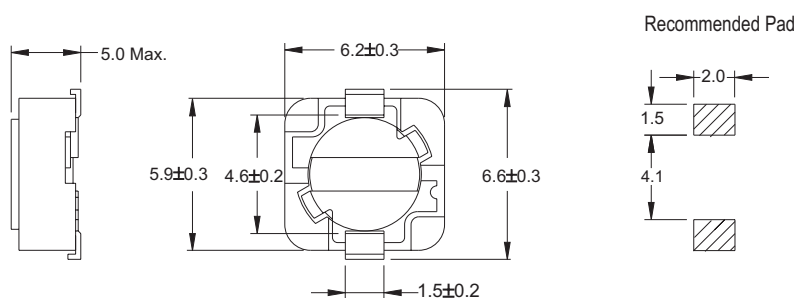
SIQ65 Type

Features

- Small size (6.2mm*6.6mm), low profile (5.0mm 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.

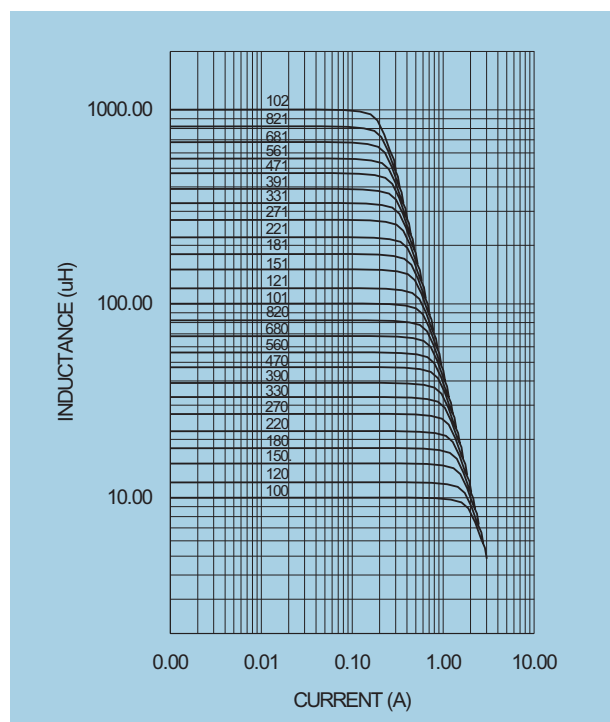


Mechanical Dimension: Unit: mm



Electrical Characteristics:

PART NO.	L★ (uH)	DCR (Ω) MAX	I _{RATED} ★★ (A dc)
SIQ65 - 100	10	0.12	1.35
SIQ65 - 120	12	0.13	1.22
SIQ65 - 150	15	0.18	1.11
SIQ65 - 180	18	0.24	1.02
SIQ65 - 220	22	0.27	0.91
SIQ65 - 270	27	0.30	0.82
SIQ65 - 330	33	0.33	0.74
SIQ65 - 390	39	0.37	0.69
SIQ65 - 470	47	0.52	0.62
SIQ65 - 560	56	0.56	0.58
SIQ65 - 680	68	0.63	0.51
SIQ65 - 820	82	0.71	0.46
SIQ65 - 101	100	1.03	0.42
SIQ65 - 121	120	1.15	0.38
SIQ65 - 151	150	1.68	0.35
SIQ65 - 181	180	1.87	0.32
SIQ65 - 221	220	2.08	0.29
SIQ65 - 271	270	2.37	0.26
SIQ65 - 331	330	2.67	0.23
SIQ65 - 391	390	2.94	0.22
SIQ65 - 471	470	3.93	0.20
SIQ65 - 561	560	5.43	0.18
SIQ65 - 681	680	7.32	0.17
SIQ65 - 821	820	8.24	0.15
SIQ65 - 102	1000	9.26	0.14



★ Tolerance of inductance
10~1000uH±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: 1KHz, 1V



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