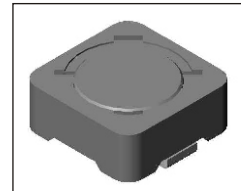


SMT Power Inductor

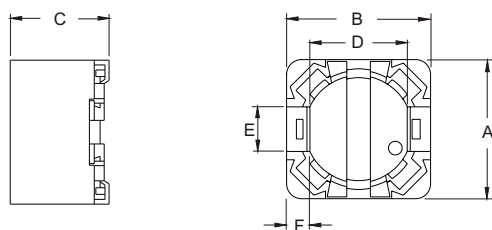
SIQ74 Type

Features

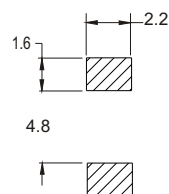
- Small size (7.3mm*7.3mm), low profile (4.5mm max. height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



Mechanical Dimension:



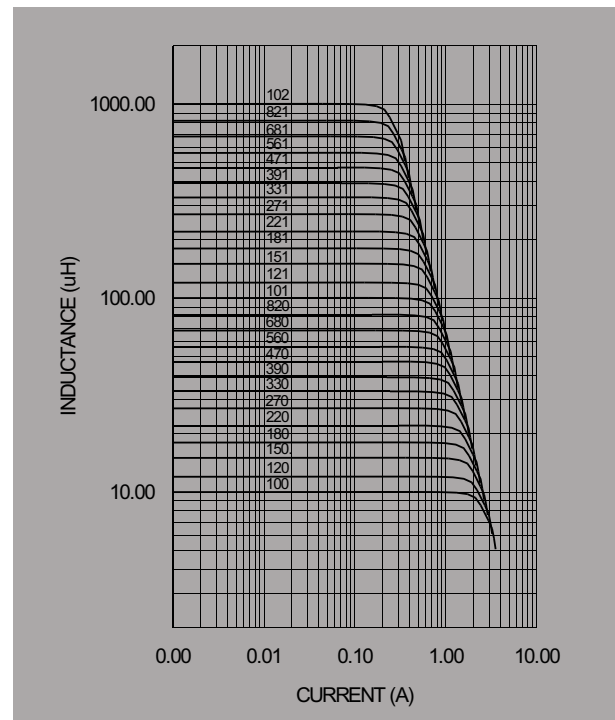
RECOMMENDED PAD



UNIT:mm/inch
 A = 7.3±0.2/0.287±0.008
 B = 7.3±0.2/0.287±0.008
 C = 4.5/0.177 Max.
 D = 5.0±0.2/0.197±0.008
 E = 2.0±0.2/0.079±0.008
 F = 1.1±0.2/0.043±0.008

Electrical Characteristics: At 25°C: 1KHz, 1V

PART NO.	L ¹ (uH)	DCR (Ω) MAX	I _{RATED} ² (Adc)
SIQ74 - 100	10	0.049	1.84
SIQ74 - 120	12	0.058	1.71
SIQ74 - 150	15	0.081	1.47
SIQ74 - 180	18	0.091	1.31
SIQ74 - 220	22	0.110	1.23
SIQ74 - 270	27	0.150	1.12
SIQ74 - 330	33	0.170	0.96
SIQ74 - 390	39	0.230	0.91
SIQ74 - 470	47	0.260	0.88
SIQ74 - 560	56	0.350	0.75
SIQ74 - 680	68	0.380	0.69
SIQ74 - 820	82	0.430	0.61
SIQ74 - 101	100	0.610	0.60
SIQ74 - 121	120	0.660	0.52
SIQ74 - 151	150	0.880	0.46
SIQ74 - 181	180	0.980	0.42
SIQ74 - 221	220	1.170	0.36
SIQ74 - 271	270	1.640	0.34
SIQ74 - 331	330	1.860	0.32
SIQ74 - 391	390	2.850	0.29
SIQ74 - 471	470	3.010	0.26
SIQ74 - 561	560	3.620	0.23
SIQ74 - 681	680	4.630	0.22
SIQ74 - 821	820	5.200	0.20
SIQ74 - 102	1000	6.000	0.18



1. Tolerance of inductance
10~1000uH±20%
2. I_{RATED} : rated current. ΔL<25%, ΔT<45°C at I_{RATED}
3. Operating temperature: -20°C to 105°C (including self-temperature rise)



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