

SMT Power Inductor

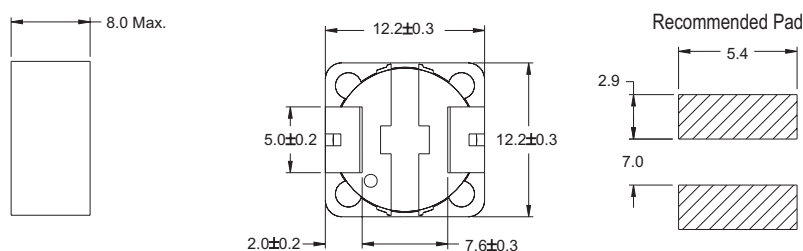
SIQ127 Type

Features

- Low profile (8.0mm max. Height), high current (10A, 1.2uH) 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.

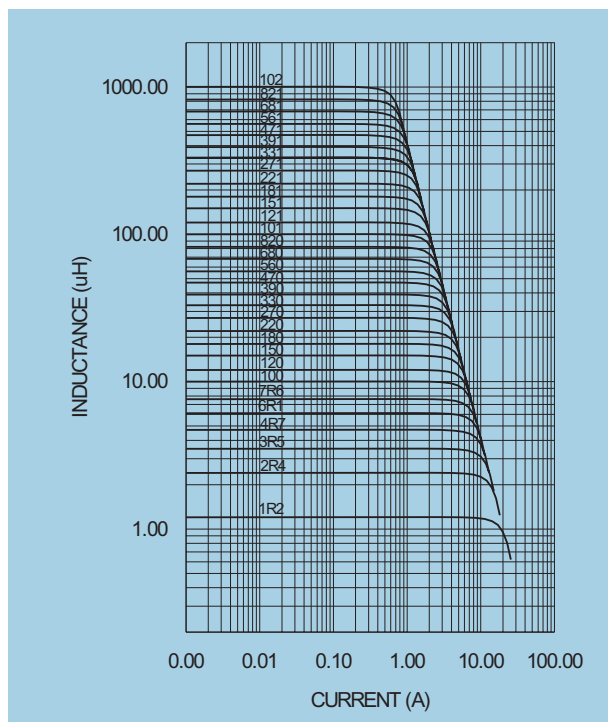


Mechanical Dimension: Unit: mm



Electrical Characteristics:

PART NO.	L ★ (uH)	DCR (Ω) MAX	I _{RATED} ★ ★ (Adc)
SIQ127-1R2	1.2	0.007	10.00
SIQ127-2R4	2.4	0.012	8.00
SIQ127-3R5	3.5	0.014	7.50
SIQ127-4R7	4.7	0.016	6.80
SIQ127-6R1	6.1	0.018	6.60
SIQ127-7R6	7.6	0.02	5.90
SIQ127-100	10	0.022	5.40
SIQ127-120	12	0.025	4.90
SIQ127-150	15	0.027	4.50
SIQ127-180	18	0.040	3.90
SIQ127-220	22	0.044	3.60
SIQ127-270	27	0.046	3.40
SIQ127-330	33	0.065	3.00
SIQ127-390	39	0.073	2.80
SIQ127-470	47	0.10	2.50
SIQ127-560	56	0.11	2.35
SIQ127-680	68	0.14	2.10
SIQ127-820	82	0.16	1.95
SIQ127-101	100	0.22	1.70
SIQ127-121	120	0.25	1.60
SIQ127-151	150	0.28	1.42
SIQ127-181	180	0.35	1.30
SIQ127-221	220	0.39	1.16
SIQ127-271	270	0.56	1.06
SIQ127-331	330	0.64	0.95
SIQ127-391	390	0.70	0.88
SIQ127-471	470	0.98	0.79
SIQ127-561	560	1.07	0.73
SIQ127-681	680	1.46	0.67
SIQ127-821	820	1.64	0.60
SIQ127-102	1000	1.82	0.55



★ Tolerance of inductance

1.2~8.2uH +40/-20% 10~1000±20%

★★ I_{RATED}: rated current. ΔL<20%, ΔT<45°C at I_{RATED}

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

★★★★ Test condition at 25°C: 1.2~8.2uH 100KHz, 0.1V 10~1000uH 1KHz, 1V



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