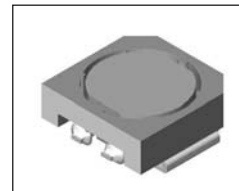


SMT Power Inductor

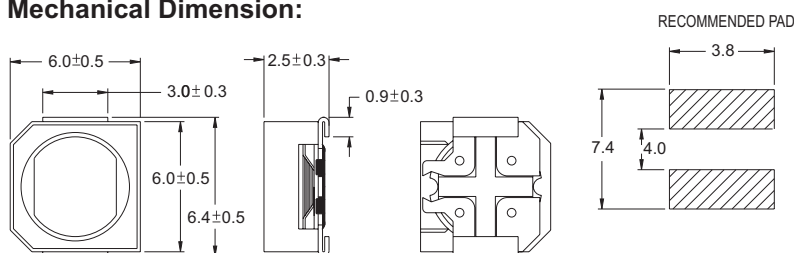
SIM625 Type

Features

- Low profile (2.8mm max. height) SMD type.
- Magnetically shielded.
- Self-leads, 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 applications.
- In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.

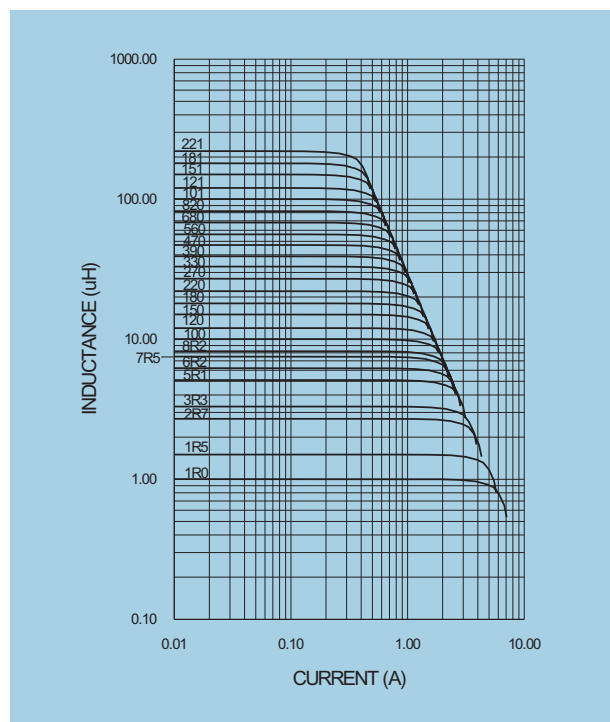


Mechanical Dimension:



Electrical Characteristics:

PART NO.	L ★ (uH)	DCR (mΩ) MAX	I _{RATED} ★ ★ (A dc)
SIM625-1R0	1.0	22.8	3.00
SIM625-1R5	1.5	28.8	2.40
SIM625-2R7	2.7	46.8	1.80
SIM625-3R3	3.3	52.8	1.60
SIM625-5R1	5.1	67.2	1.55
SIM625-6R2	6.2	74.4	1.40
SIM625-7R5	7.5	96.0	1.25
SIM625-8R2	8.2	104.4	1.20
SIM625-100	10	114.0	1.10
SIM625-120	12	156	1.00
SIM625-150	15	180	0.85
SIM625-180	18	204	0.80
SIM625-220	22	264	0.70
SIM625-270	27	312	0.65
SIM625-330	33	456	0.60
SIM625-390	39	492	0.55
SIM625-470	47	576	0.50
SIM625-560	56	648	0.45
SIM625-680	68	924	0.40
SIM625-820	82	1044	0.35
SIM625-101	100	1200	0.30
SIM625-121	120	1800	0.28
SIM625-151	150	2160	0.25
SIM625-181	180	2400	0.23
SIM625-221	220	2760	0.20



★ Tolerance of inductance: ±20%

★★ 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: 100KHz, 0.1V



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