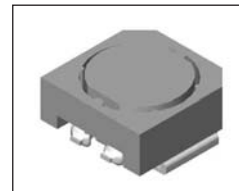


SMT Power Inductor

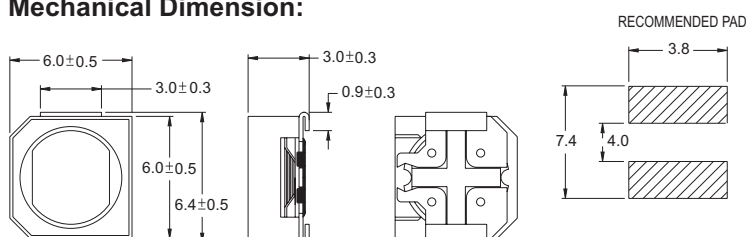
SIM630 Type

Features

- Low profile (3.3mm 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.

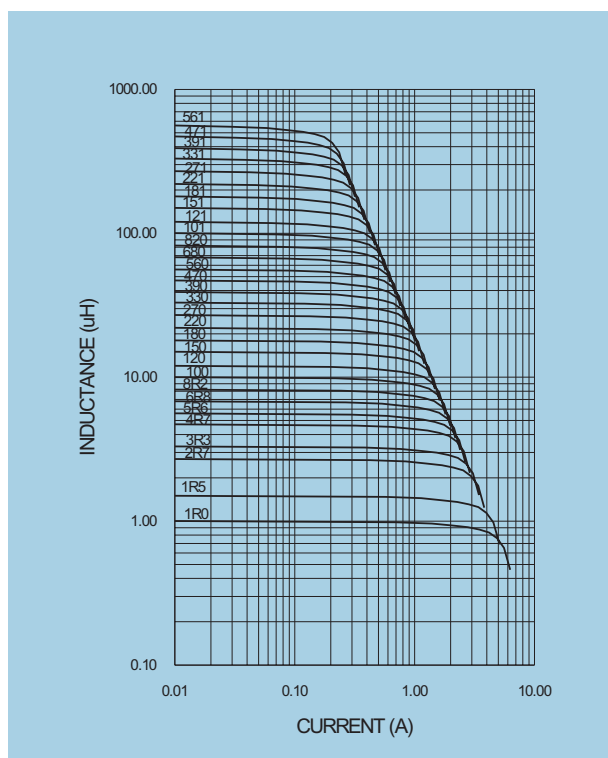


Mechanical Dimension:



Electrical Characteristics:

PART NO.	L ★ (uH)	DCR (mΩ) MAX	I _{RATED} ★ ★ (A dc)
SIM630-1R0	1.0	22.8	3.4
SIM630-1R5	1.5	28.8	3.2
SIM630-2R7	2.7	37.2	2.4
SIM630-3R3	3.3	40.8	2.2
SIM630-4R7	4.7	50.4	2.0
SIM630-5R6	5.6	58.8	1.8
SIM630-6R8	6.8	62.4	1.5
SIM630-8R2	8.2	73.2	1.4
SIM630-100	10	78	1.3
SIM630-120	12	85.2	1.2
SIM630-150	15	115.2	1.1
SIM630-180	18	132	1.0
SIM630-220	22	168	0.90
SIM630-270	27	192	0.80
SIM630-330	33	216	0.70
SIM630-390	39	288	0.65
SIM630-470	47	324	0.60
SIM630-560	56	348	0.55
SIM630-680	68	624	0.50
SIM630-820	82	720	0.45
SIM630-101	100	816	0.40
SIM630-121	120	900	0.37
SIM630-151	150	1032	0.35
SIM630-181	180	1440	0.30
SIM630-221	220	1680	0.28
SIM630-271	270	2880	0.26
SIM630-331	330	3240	0.24
SIM630-391	390	3360	0.21
SIM630-471	470	3840	0.20
SIM630-561	560	4440	0.18



★ 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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