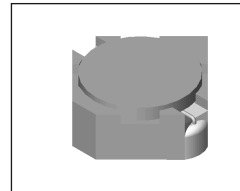


SMT Power Inductor

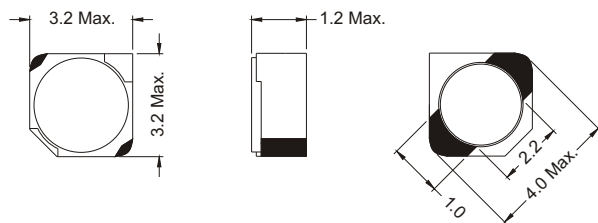
SILM312 Type

Features

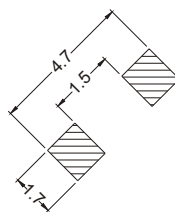
- Low profile(1.2mm max.height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- Self-leads ,suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, custom inductors are available to meet your exact requirements.



Mechanical Dimension : Unit :mm

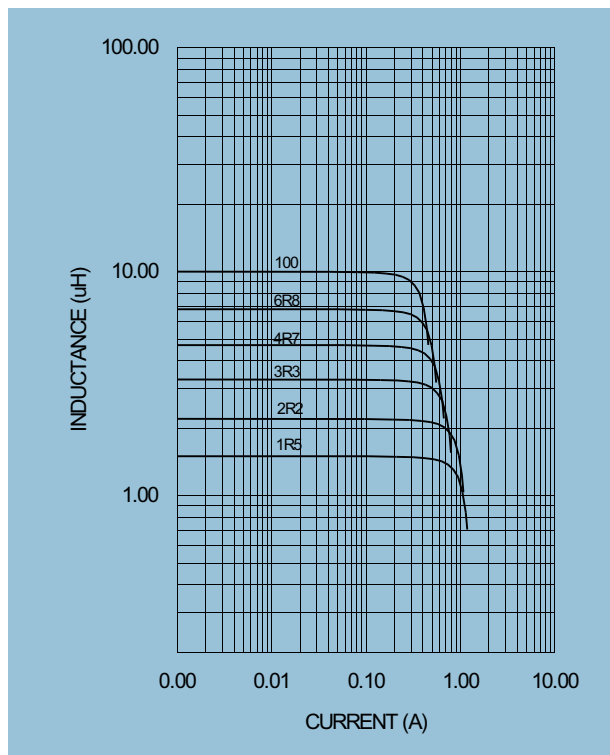


RECOMMENDED PAD



Electrical Characteristics :

PART NO.	L (uH)*	DCR (mΩ) MAX	I _{RATED} ** (Adc)
SILM312 - 1R5	1.5	68	0.90
SILM312 - 2R2	2.2	98	0.78
SILM312 - 3R3	3.3	123	0.60
SILM312 - 4R7	4.7	170	0.50
SILM312 - 6R8	6.8	260	0.44
SILM312 - 100	10	400	0.35



★ Tolerance of inductance
1.5~10uH±30%

★★ I_{RATED} : rated current. ΔL<35% (20% TYP.) , 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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