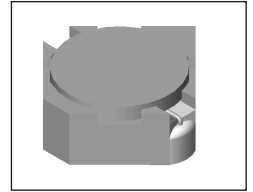


SMT Power Inductor

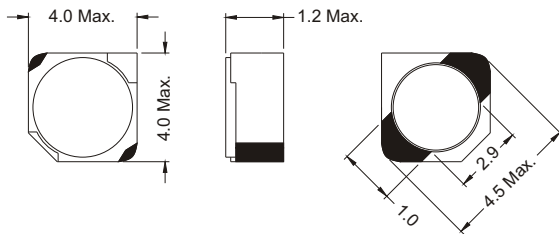
SILM4012 Type

Features

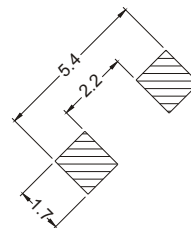
- Low profile(1.2mm max. height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- Self-leads ,suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters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



Mechanical Dimension : Unit :mm

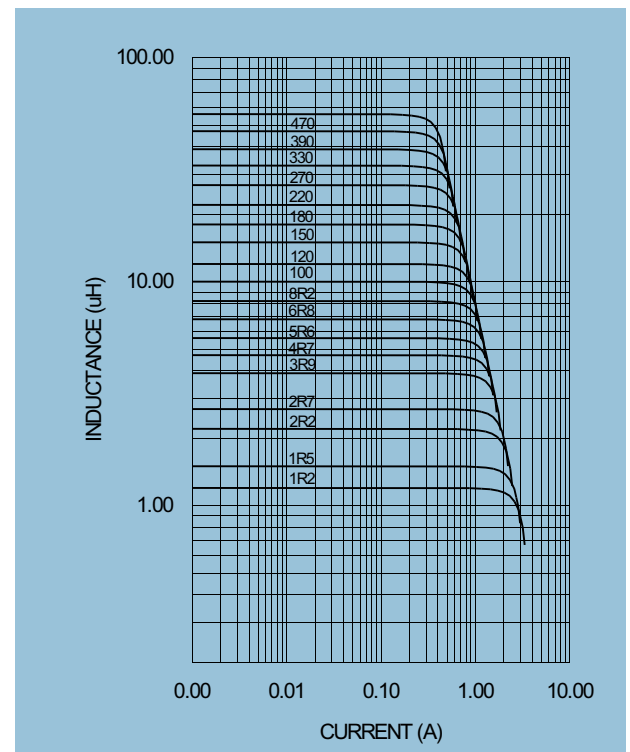


RECOMMENDED PAD



Electrical Characteristics :

PART NO.	L (uH)*	DCR (mΩ) MAX	I _{RATED} ** (Adc)
SILM4012 - 1R2	1.2	82	1.40
SILM4012 - 1R5	1.5	110	1.20
SILM4012 - 2R2	2.2	156	0.90
SILM4012 - 2R7	2.7	180	0.85
SILM4012 - 3R9	3.9	248	0.80
SILM4012 - 4R7	4.7	268	0.70
SILM4012 - 5R6	5.6	373	0.60
SILM4012 - 6R8	6.8	415	0.55
SILM4012 - 8R2	8.2	454	0.50
SILM4012 - 100	10	480	0.35
SILM4012 - 120	12	543	0.30
SILM4012 - 150	15	830	0.27
SILM4012 - 180	18	878	0.25
SILM4012 - 220	22	948	0.20
SILM4012 - 270	27	1000	0.19
SILM4012 - 330	33	1050	0.18
SILM4012 - 390	39	1320	0.17
SILM4012 - 470	47	1680	0.15
SILM4012 - 560	56	2160	0.14



★ Tolerance of inductance

1.2~8.2uH±30%, 10~56uH±20%

★★ I_{RATED} : rated current ΔL<25% (10% TYP.) , ΔT<45°Cat I_{RATED}.

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

★★★★ Test condition at 25°C : 100KHz, 0.1V



沙井欣旺电子有限公司

XINWANG ELECTRONICS, INC.

HTTP://WWW.XINWANGELE.COM

TEL:0755-29696626 FAX:0755-27289711

E-mail:sales@xinwangele.com