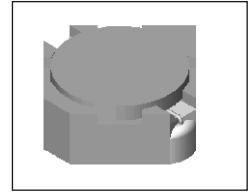


SMT Power Inductor

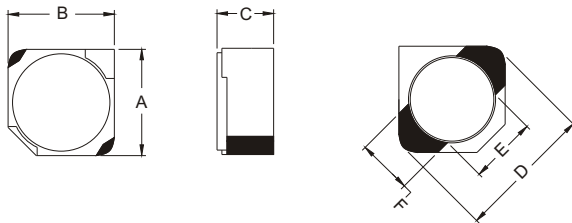
SILM4018 Type

Features

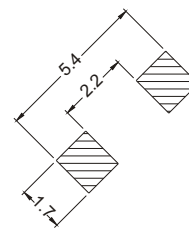
- RoHS compliant.
- Low profile(1.8mm max. height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- Self-leads ,suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor applications.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



Mechanical Dimension :



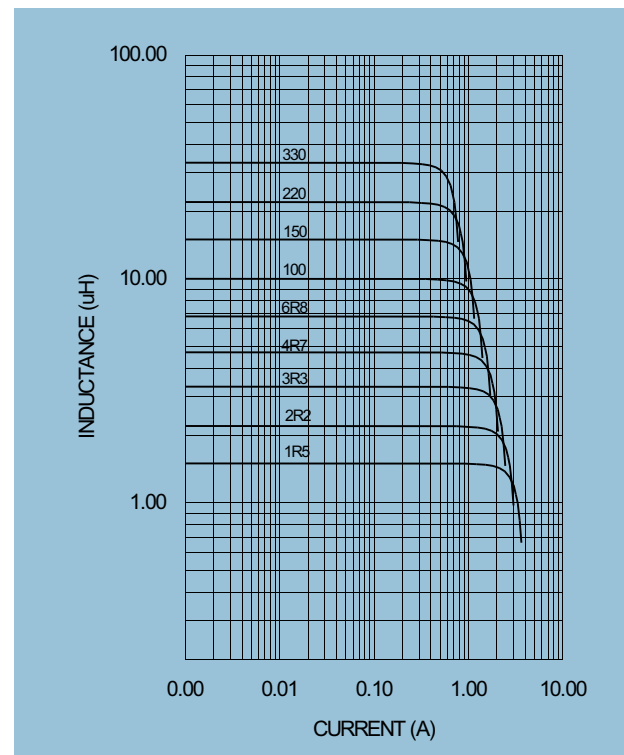
RECOMMENDED PAD PATTERNS



UNIT:mm/inch
 A = 4.0 / 0.157 Max.
 B = 4.0 / 0.157 Max.
 C = 1.8 / 0.071 Max.
 D = 4.8 / 0.189 Max.
 E = 2.9 / 0.114
 F = 1.0 / 0.039

Electrical Characteristics : 25°C : 100KHz, 0.1V

PART NO.	L ¹ (μ H)	DCR (m Ω) MAX	I _{rated} ² (A _{dc})
SILM4018 - 1R5	1.5	52	1.55
SILM4018 - 2R2	2.2	72	1.20
SILM4018 - 3R3	3.3	85	1.10
SILM4018 - 4R7	4.7	105	0.90
SILM4018 - 6R8	6.8	170	0.73
SILM4018 - 100	10.0	210	0.55
SILM4018 - 150	15.0	295	0.45
SILM4018 - 220	22.0	430	0.40
SILM4018 - 330	33.0	675	0.32



1. Tolerance of inductance : $\pm 30\%$.
2. I_{rated} is the DC current which cause the inductance drop 35% typical of its nominal inductance without current and the surface of the part increase less than 45°C.
3. Operating temperature : -20°C to 105°C (including self-temperature rise).



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