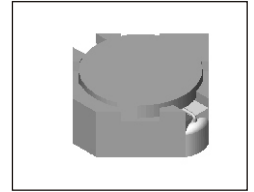


SMT Power Inductor

SILM320L Type

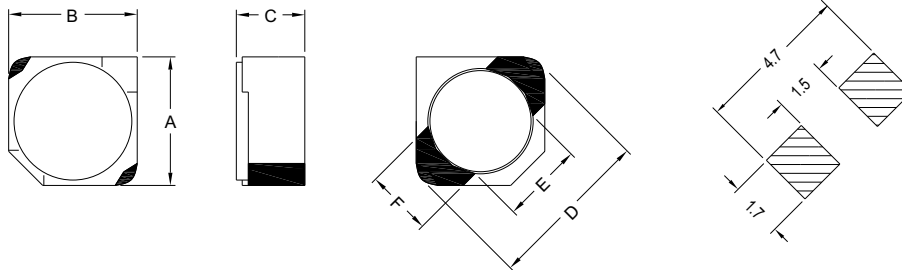
Features

- RoHS compliant.
- Low profile (2.0mm 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 = 3.2 / 0.126 Max.
 B = 3.2 / 0.126 Max.
 C = 2.0 / 0.079 Max.
 D = 4.0 / 0.157 Max.
 E = 2.2 / 0.087
 F = 1.0 / 0.039

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

PART NO.	L ¹ (uH)	DCR (mΩ) MAX	Isat ² (Adc)	Ir ³ (Adc)
SILM320L - 2R2	2.2	41	0.85	2.30
SILM320L - 3R3	3.3	54	0.75	2.10
SILM320L - 4R7	4.7	78	0.63	1.65
SILM320L - 6R8	6.8	106	0.52	1.32
SILM320L - 100	10.0	180	0.43	1.00
SILM320L - 150	15.0	220	0.35	0.80
SILM320L - 220	22.0	320	0.30	0.68
SILM320L - 330	33.0	460	0.24	0.56
SILM320L - 470	47.0	660	0.20	0.48

1. Tolerance of inductance: ±30%.
2. Isat is the DC current which cause the inductance drop 35% typical of its nominal inductance without current.
3. Ir is the DC current which cause the surface temperature of the part increase less than 45°C.
4. Operating temperature : -20°C to 105°C (including self-temperature rise).



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