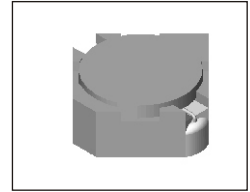


SMT Power Inductor

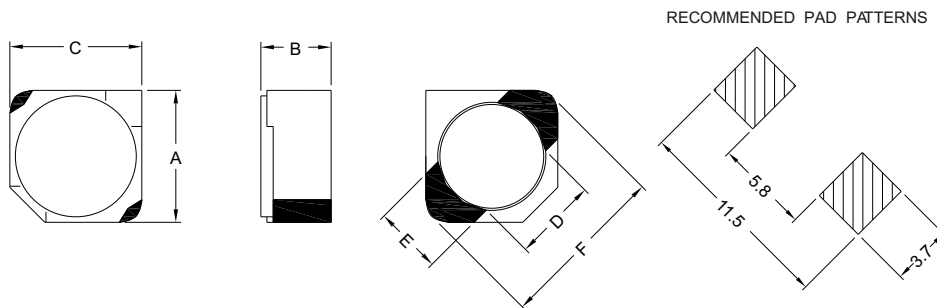
SILM8030 Type

Features

- RoHS compliant.
- Low profile, SMD type.
- Magnetically shielded, 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:



UNIT:mm/inch
 A = 8.0 ± 0.3 / 0.315 ± 0.012
 B = 3.0 / 0.118Max.
 C = 8.0 ± 0.3 / 0.315 ± 0.012
 D = 6.5 / 0.256
 E = 3.0 / 0.118
 F = 10.5 / 0.413 Max.

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

PART NO.	L ¹ (μH)	DCR (mΩ) MAX	I _{rated} ² (A _{dc})
SILM8030 - 2R5	2.5	15.6	4.50
SILM8030 - 3R3	3.3	18.2	4.00
SILM8030 - 4R7	4.7	24.7	3.40
SILM8030 - 7R3	7.3	39.0	2.80
SILM8030 - 100	10.0	47.0	2.50
SILM8030 - 150	15.0	69.0	1.90
SILM8030 - 220	22.0	99.0	1.60
SILM8030 - 330	33.0	156.0	1.30
SILM8030 - 470	47.0	195.0	1.15
SILM8030 - 680	68.0	286.0	0.92
SILM8030 - 101	100.0	430.0	0.75

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



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