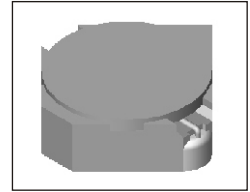


# SMT Power Inductor

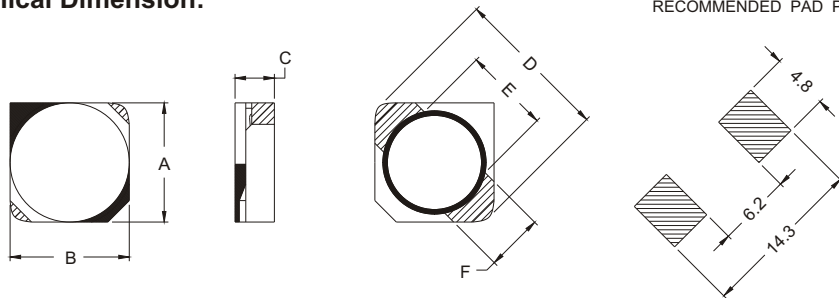
## SILM104 & SILM106 Type

### 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 = 10±0.5 / 0.394±0.020  
 B = 10±0.5 / 0.394±0.020  
 D = 13.5 / 0.531 Max.  
 E = 7.2±0.3 / 0.283±0.012  
 F = 4.0±0.3 / 0.157±0.012

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

PART NO.	L <sup>1</sup> (uH)	DCR (mΩ) MAX	I <sub>rated</sub> <sup>2</sup> (Adc)	HEIGHT "C" (mm)MAX
SILM104C - 0R3	0.3	2.0	15.00	4.0
SILM104B - 1R0	1.0	6.0	10.00	4.0
SILM104 - 1R5	1.5	8.1	10.00	4.0
SILM104 - 2R5	2.5	10.0	7.50	4.0
SILM104A - 3R0	3.0	11.5	7.00	4.0
SILM104 - 3R8	3.8	13.0	6.00	4.0
SILM104 - 5R2	5.2	22.0	5.50	4.0
SILM104A - 5R8	5.8	24.0	6.00	4.0
SILM104 - 7R0	7.0	27.0	4.80	4.0
SILM104 - 100	10.0	35.0	4.40	4.0
SILM104 - 150	15.0	50.0	3.60	4.0
SILM104 - 220	22.0	73.0	2.90	4.0
SILM104 - 330	33.0	93.0	2.30	4.0
SILM104 - 470	47.0	128.0	2.10	4.0
SILM104 - 680	68.0	213.0	1.50	4.0
SILM104 - 101	100.0	304.0	1.35	4.0
SILM104 - 151	150.0	506.0	1.15	4.0
SILM104 - 221	220.0	756.0	0.92	4.0
SILM104 - 331	330.0	1090.0	0.70	4.0
SILM108 - 220	22.0	45.0	4.00	8.0

1. Tolerance of inductance : ± 30%.
2. I<sub>rated</sub> is the DC current which cause the inductance drop less than 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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