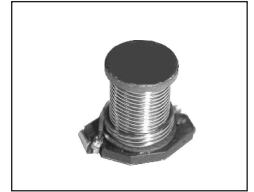


# SMT Power Inductor

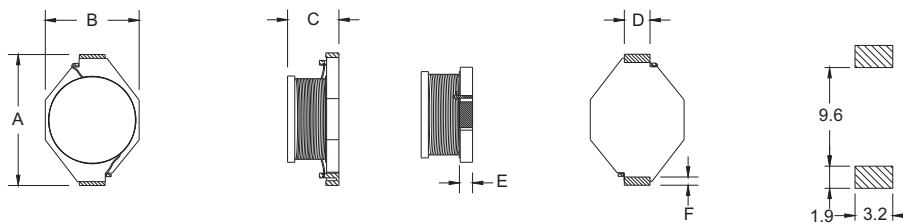
## SISN811 Type

### Features

- RoHS compliant.
- Low profile (5.5mm max. height) 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 application.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



### Mechanical Dimension:



UNIT : mm / inch  
 A = 13.1 / 0.516 Max.  
 B = 9.254 ± 0.254 / 0.364 ± 0.01  
 C = 11.0 / 0.433 Max.  
 D = 2.5 ± 0.254 / 0.098 ± 0.010  
 E = 1.2 ± 0.300 / 0.047 ± 0.012  
 F = 0.80 / 0.031

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

PART NO.	$L^1$ ( $\mu$ H)	DCR ( $\Omega$ )MAX	$I_{sat}^2$ (A $^2$ )
SISN811 - 1R0	1.0	0.0040	22.0
SISN811 - 1R5	1.5	0.0050	22.0
SISN811 - 2R2	2.2	0.0058	18.0
SISN811 - 3R6	3.6	0.0100	14.0
SISN811 - 4R7	4.7	0.0090	6.0
SISN811 - 5R0	5.0	0.0100	15.0
SISN811 - 7R5	7.5	0.0135	6.0
SISN811 - 100	10.0	0.0400	8.0
SISN811 - 150	15.0	0.0500	7.0
SISN811 - 220	22.0	0.0660	5.5
SISN811 - 330	33.0	0.0800	4.0
SISN811 - 420	42.0	0.1000	3.0
SISN811 - 470	47.0	0.1100	3.8
SISN811 - 680	68.0	0.1700	3.0
SISN811 - 101	100.0	0.2200	2.5
SISN811 - 151	150.0	0.3400	2.0
SISN811 - 221	220.0	0.4400	1.6
SISN811 - 331	330.0	0.7000	1.2
SISN811 - 471	470.0	0.9500	1.0
SISN811 - 681	680.0	1.2000	1.0
SISN811 - 102	1000.0	2.0000	0.8

1. Tolerance of inductance :  $\pm 20\%$ .
2.  $I_{sat}$  is the DC current which cause the inductance drop less than 10% of its nominal inductance without current.
3. Operating temperature: -20°C to 105°C (including self-temperature rise).



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