

SMT Power Inductor

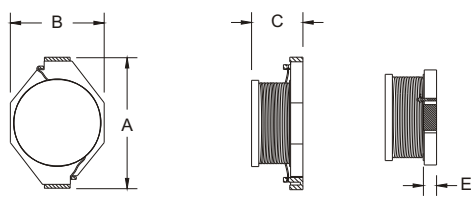
SISN83 Type

Features

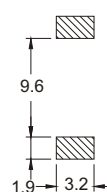
- RoHS compliant.
- Low profile (3.0mm max. height) SMD type.
- Magnetically shielded, suitable for high density mounting.
- High energy storage and low DCR.
- Provided with embossed carrier tape packing.
- Ideal for power source circuits, DC-DC converter, DC-AC inverters inductor application.
- In addition to the standard versions shown here, customized inductors are available to meet your exact requirements.



Mechanical Dimension:



RECOMMENDED PAD PATTERNS



UNIT : mm / inch
 A = 13.1 / 0.516 Max.
 B = 9.254 ± 0.254 / 0.364 ± 0.01
 C = 3.0 / 0.118 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 (uH)	DCR (Ω)MAX	Isat ² (Adc)
SISN83-2R2	2.2	0.032	5.0
SISN83-3R3	3.3	0.055	3.6
SISN83-6R8	6.8	0.082	2.5
SISN83-100	10.0	0.110	2.4
SISN83-150	15.0	0.150	2.0
SISN83-220	22.0	0.230	1.6
SISN83-330	33.0	0.300	1.4
SISN83-470	47.0	0.390	1.0
SISN83-680	68.0	0.660	0.9
SISN83-101	100.0	0.840	0.7
SISN83-151	150.0	1.200	0.6
SISN83-221	220.0	1.900	0.5
SISN83-331	330.0	2.700	0.4
SISN83-471	470.0	4.000	0.3
SISN83-681	680.0	5.300	0.2
SISN83-102	1000.0	8.400	0.1

1. Tolerance of inductance : ±20%.
2. Isat 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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