



SDRS104 Series



1. Features of SDRS104 Series :

- Inductance Range: 1.5 uH to 300.0 uH, custom values are welcomed.
- Low Profile 4.1mm max. height.
- Foot Print 10.30 x 10.50mm max.
- Perfect for high density designs with limited board space.
- Operating Temperature Range of -25°C up to + 130°C.
- RoHS and HF compliant.
- T & R Qtys: 800 pcs , 13" Reel.



2. Electrical Characteristics of SDRS104 Series:

ITG Part Number	Inductance (L) (uH)	DCR Max. (mΩ)	Isat (A)	Irms (A)
SDRS104-1R5NHF	1.50	8.10	10.50	6.50
SDRS104-2R5NHF	2.50	10.50	8.50	6.00
SDRS104-3R8MHF	3.80	13.00	7.00	5.00
SDRS104-5R2MHF	5.20	22.00	6.20	3.80
SDRS104-7R0MHF	7.00	27.00	5.30	3.20
SDRS104-100MHF	10.00	35.00	4.60	3.00
SDRS104-150MHF	15.00	50.00	3.70	2.30
SDRS104-220MHF	22.00	73.00	2.80	2.10
SDRS104-330MHF	33.00	93.00	2.45	1.90
SDRS104-470MHF	47.00	128.00	2.20	1.35
SDRS104-680MHF	68.00	213.00	1.80	1.30
SDRS104-101MHF	100.00	304.00	1.40	0.90
SDRS104-151MHF	150.00	506.00	1.20	0.80
SDRS104-221MHF	220.00	756.00	1.05	0.70
SDRS104-331MHF	330.00	1090.00	0.85	0.50

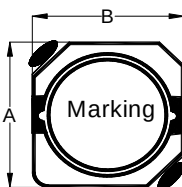
*Notes: **MHF**: Inductance Tolerance: $\pm 20\%$, **NHF**: Inductance Tolerance: $\pm 30\%$

3. Mechanical Dimension of SDRS104 Series (Unit:mm)

A	B	C	D	E	F
± 0.3	Max.	Max.	± 0.15	± 0.3	± 0.15
10.00	10.50	4.10	1.20	7.70	3.00

Third Angle Projection:

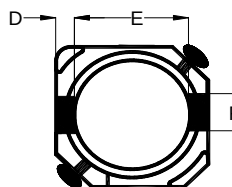
Part Marking:
Rxx x: xx is Inductance value in uH (R:decimal point),
x B: special code.
YYWW: Date Code



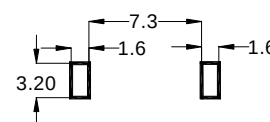
TOP VIEW



SIDE VIEW



BOTTOM VIEW



Suggested Pad Layout

Notes:

1. Test condition: 100Khz, 0.25V, 0A at (Ta=25°C)
2. Isat: DC current that will cause inductance to drop approximately by 10% (Typical)
3. Irms: DC current rating at 40°C temperature rise (typical)

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*Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.