

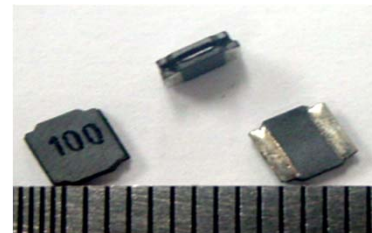


SLNR4318 Series



1. Features of SLNR4318 Series :

- Miniature SMD shielded power inductor.
- Low profile 1.8mm max height
- Inductance range of 1.0uH to 220.0uH.
- Ideal for DC to DC power converter application.
- Operating temperature range of -55.0 °C ~ +130.0°C.
- RoHS and HF compliant.
- Tape and Reel quantities: 3,500pcs, 13" Reel



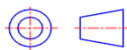
2. Electrical Characteristics of SLNR4318 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (mΩ) ±20%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min
SLNR4318-1R0NHF	1.0 , 30%	30.0	4.00	1.83	80
SLNR4318-2R2MHF	2.2 , 20%	60.0	2.70	1.44	52
SLNR4318-3R3MHF	3.3 , 20%	70.0	2.00	1.23	44
SLNR4318-4R7MHF	4.7 , 20%	90.0	1.70	1.20	34
SLNR4318-6R8MHF	6.8 , 20%	110.0	1.45	1.06	29
SLNR4318-100MHF	10.0 , 20%	180.0	1.20	0.84	24
SLNR4318-150MHF	15.0 , 20%	250.0	0.94	0.65	19
SLNR4318-220MHF	22.0 , 20%	360.0	0.80	0.59	16
SLNR4318-330MHF	33.0 , 20%	530.0	0.65	0.49	12
SLNR4318-470MHF	47.0 , 20%	650.0	0.57	0.42	10
SLNR4318-680MHF	68.0 , 20%	1000.0	0.47	0.32	8.3
SLNR4318-101MHF	100.0 , 20%	1500.0	0.40	0.27	6.5
SLNR4318-151MHF	150.0 , 20%	2500.0	0.31	0.22	5.5
SLNR4318-221MHF	220.0 , 20%	4000.0	0.27	0.17	4.0

3. Mechanical Dimensions (unit : mm):

A	B	C	D	E
±0.3	±0.3	Max.	±0.3	±0.3
4.0	4.0	1.8	0.95	2.1

Third Angle Projection:

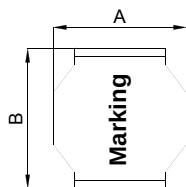


Part Marking:

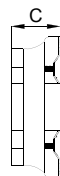
xx is inductance value in uH(R:decimal point),

x is special code

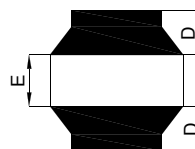
YYWW: Date Code



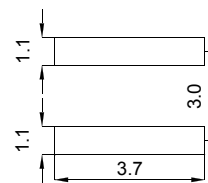
TOP VIEW



SIDE VIEW



BOTTOM VIEW



PCB Layout

Test Condition:

1. Open circuit inductance (OCL) and L@Isat test condition: 100Khz, 1.0V, (Ta=25°C)
2. Isat: DC current that causes inductance to drop by approximately 30% from OCL ; (Ta=25°C)
3. Irms: DC current that causes an approximate temperature rise (ΔT) of 40°C ; (Ta=25°C)

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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.