



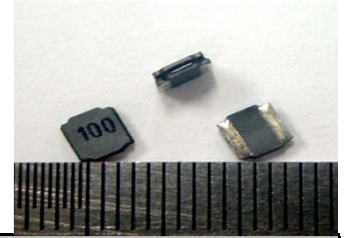
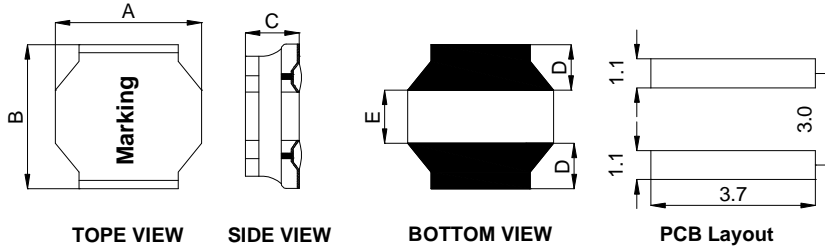
SLNR4318 Series



1. Features:

- Miniature SMD Shielded Power Inductor in a 4.3*4.3mm foot print;
- 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 -55°C to + 130°C , RoHs compliance ;
- T & R Qty: 3500 pcs , 13" Reel ;

2. Mechanical Dimension(Unit:mm):



Type	SLNR4318
A	4.0 ± 0.3
B	4.0 ± 0.3
C	1.8 (Max.)
D	0.95 ± 0.3
E	2.1 ± 0.3

3. Electrical Characteristic of SLNR4318 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (mΩ) ±20%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min	Marking
SLNR4318-1R0NHF	1.0 , 30%	30.0	4.00	1.83	80	1R0
SLNR4318-2R2MHF	2.2 , 20%	60.0	2.70	1.44	52	2R2
SLNR4318-3R3MHF	3.3 , 20%	70.0	2.00	1.23	44	3R3
SLNR4318-4R7MHF	4.7 , 20%	90.0	1.70	1.20	34	4R7
SLNR4318-6R8MHF	6.8 , 20%	110.0	1.45	1.06	29	6R8
SLNR4318-100MHF	10.0 , 20%	180.0	1.20	0.84	24	100
SLNR4318-150MHF	15.0 , 20%	250.0	0.94	0.65	19	150
SLNR4318-220MHF	22.0 , 20%	360.0	0.80	0.59	16	220
SLNR4318-330MHF	33.0 , 20%	530.0	0.65	0.49	12	330
SLNR4318-470MHF	47.0 , 20%	650.0	0.57	0.42	10	470
SLNR4318-680MHF	68.0 , 20%	1000.0	0.47	0.32	8.3	680
SLNR4318-101MHF	100.0 , 20%	1500.0	0.40	0.27	6.5	101
SLNR4318-151MHF	150.0 , 20%	2500.0	0.31	0.22	5.5	151
SLNR4318-221MHF	220.0 , 20%	4000.0	0.27	0.17	4.0	221

Note:

- 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);