



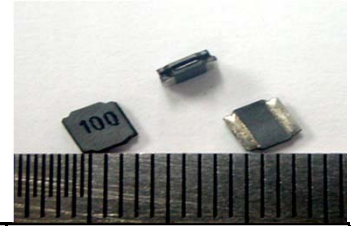
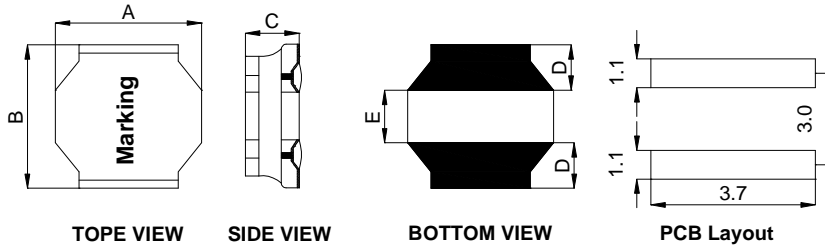
SLNR4310 Series



1. Features:

- Miniature SMD Shielded Power Inductor in a 4.3*4.3mm foot print;
- Low profile : 1.0mm max.height.
- Inductance Range of 1.0uH to 47.0uH ;
- Ideal for DC to DC power converter application ;
- Operating Temperature Range -55°C to + 130°C , RoHs compliance ;
- T & R Qty: 5000 pcs , 13" Reel ;

2. Mechanical Dimension(Unit:mm):



Type	SLNR4310
A	4.0 ± 0.3
B	4.0 ± 0.3
C	1.0 (Max.)
D	0.95 ± 0.3
E	2.1 ± 0.3

3. Electrical Characteristic of SLNR4310 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (mΩ) ±20%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min	Marking
SLNR4310-1R0NHF	1.0 , 30%	100.0	1.80	1.05	116	1R0
SLNR4310-2R2NHF	2.2 , 30%	150.0	1.15	0.89	73	2R2
SLNR4310-3R3MHF	3.3 , 20%	180.0	1.10	0.82	58	3R3
SLNR4310-4R7MHF	4.7 , 20%	210.0	0.90	0.75	47	4R7
SLNR4310-6R8MHF	6.8 , 20%	300.0	0.74	0.62	38	6R8
SLNR4310-100MHF	10.0 , 20%	380.0	0.56	0.60	31	100
SLNR4310-150MHF	15.0 , 20%	510.0	0.47	0.51	24	150
SLNR4310-220MHF	22.0 , 20%	870.0	0.36	0.40	19	220
SLNR4310-330MHF	33.0 , 20%	1540.0	0.28	0.30	15	330
SLNR4310-470MHF	47.0 , 20%	1810.0	0.24	0.28	13	470

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);