

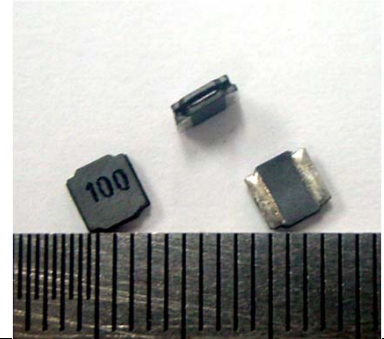


SLNR6312 Series

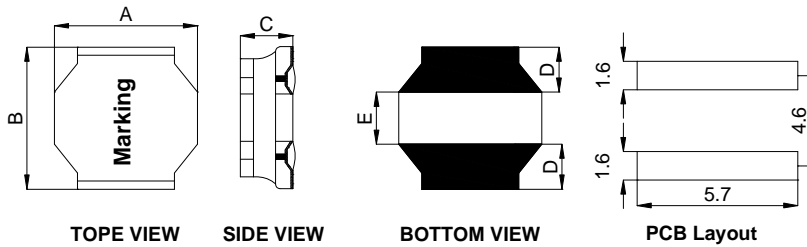


1. Features:

- Miniature SMD Shielded Power Inductor in a 6.3*6.3mm foot print;
- Low profile : 1.2mm max.height.
- Inductance Range of 2.5uH to 100.0uH ;
- Ideal for DC to DC power converter application ;
- Operating Temperature Range -55°C to + 130°C , RoHs compliance ;
- T & R Qty: 1000 pcs , 7" Reel ;



2. Mechanical Dimension(Unit:mm):



Type	SLNR6312
A	6.0 ± 0.3
B	6.0 ± 0.3
C	1.2 (Max.)
D	1.55 ± 0.3
E	2.9 ± 0.3

3. Electrical Characteristic of SLNR6312 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (mΩ) ±20%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min	Marking
SLNR6312-2R5NHF	2.5 , 30%	90.0	2.10	1.73	45	2R5
SLNR6312-4R0MHF	4.0 , 30%	105.0	1.80	1.57	39	4R0
SLNR6312-5R3MHF	5.3 , 20%	125.0	1.50	1.40	34	5R3
SLNR6312-6R8MHF	6.8 , 20%	165.0	1.30	1.18	30	6R8
SLNR6312-100MHF	10.0 , 20%	235.0	1.00	1.00	22	100
SLNR6312-150MHF	15.0 , 20%	330.0	0.80	0.79	18	150
SLNR6312-220MHF	22.0 , 20%	530.0	0.76	0.63	12	220
SLNR6312-330MHF	33.0 , 20%	700.0	0.59	0.53	8	330
SLNR6312-470MHF	47.0 , 20%	1050.0	0.52	0.46	6	470
SLNR6312-680MHF	68.0 , 20%	1350.0	0.44	0.41	3	680
SLNR6312-101MHF	100.0 , 20%	2180.0	0.35	0.32	1	101

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);