

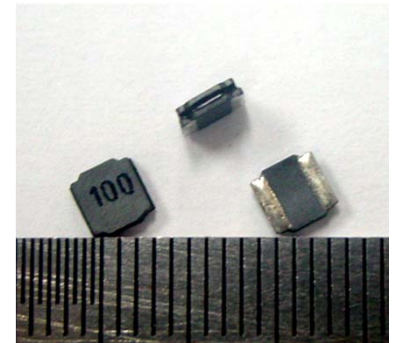


SLNR6310 Series

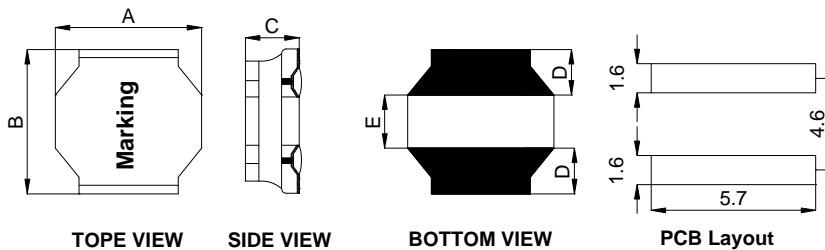


1. Features:

- Miniature SMD Shielded Power Inductor in a 6.3*6.3mm foot print;
- Low profile : 1.0mm max.height.
- Inductance Range of 1.5uH to 22.0uH ;
- 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	SLNR6310
A	6.0 ± 0.3
B	6.0 ± 0.3
C	1.0 (Max.)
D	1.55 ± 0.3
E	2.9 ± 0.3

3. Electrical Characteristic of SLNR6310 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (mΩ) ±20%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min	Marking
SLNR6310-1R5MHF	1.5 , 20%	90.0	2.40	1.90	77	1R5
SLNR6310-2R2MHF	2.2 , 20%	110.0	1.90	1.70	56	2R2
SLNR6310-3R3MHF	3.3 , 20%	135.0	1.60	1.50	42	3R3
SLNR6310-4R7MHF	4.7 , 20%	165.0	1.30	1.40	36	4R7
SLNR6310-6R8MHF	6.8 , 20%	220.0	1.20	1.20	30	6R8
SLNR6310-100MHF	10.0 , 20%	270.0	1.00	1.10	25	100
SLNR6310-220MHF	22.0 , 20%	580.0	0.65	0.70	12	220

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);