



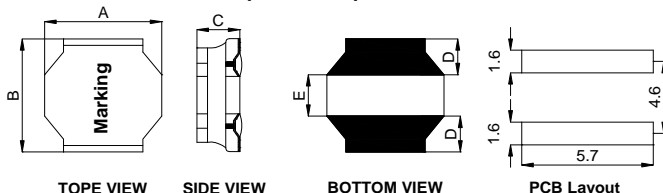
SLNR6345 Series



1. Features:

- Miniature SMD Shielded Power Inductor in a 6.3*6.3mm foot print;
- Low profile : 4.5mm max.height.
- Inductance Range of 0.82uH to 330.0uH ;
- Ideal for DC to DC power converter application ;
- Operating Temperature Range -55°C to + 130°C , RoHs compliance ;
- T & R Qty: 1500 pcs , 13" Reel ;

2. Mechanical Dimension(Unit:mm):



Type	SLNR6345
A	6.0 ± 0.3
B	6.0 ± 0.3
C	4.5 (Max.)
D	1.55 ± 0.3
E	2.9 ± 0.3

3. Electrical Characteristic of SLNR6345 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (mΩ) ±30%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min	Marking
SLNR6345-R82NHF	0.82 , 30%	8.0	10.35	5.90	140	R82
SLNR6345-1R0NHF	1.0 , 30%	11.0	9.85	5.14	110	1R0
SLNR6345-1R2NHF	1.2 , 30%	10.0	8.35	5.40	100	1R2
SLNR6345-1R5NHF	1.5 , 30%	12.0	8.80	4.95	65	1R5
SLNR6345-1R8NHF	1.8 , 30%	12.0	7.60	4.95	80	1R8
SLNR6345-2R2NHF	2.2 , 30%	14.0	6.75	4.60	52	2R2
SLNR6345-2R7NHF	2.7 , 30%	15.0	5.75	4.30	38	2R7
SLNR6345-3R6NHF	3.6 , 30%	21.0	5.25	3.70	28	3R6
SLNR6345-4R3MHF	4.3 , 20%	23.0	4.45	3.50	23	4R3
SLNR6345-4R7MHF	4.7 , 20%	26.0	4.97	3.30	24	4R7
SLNR6345-5R1MHF	5.1 , 20%	26.0	4.40	3.30	23	5R1
SLNR6345-5R6MHF	5.6 , 20%	29.0	4.15	3.15	23	5R6
SLNR6345-6R2MHF	6.2 , 20%	31.0	4.43	3.00	26	6R2
SLNR6345-6R8MHF	6.8 , 20%	31.0	3.90	3.00	20	6R8
SLNR6345-7R5MHF	7.5 , 20%	34.0	3.50	2.90	18	7R5
SLNR6345-8R2MHF	8.2 , 20%	43.0	3.90	2.60	21	8R2
SLNR6345-9R1MHF	9.1 , 20%	43.0	3.35	2.60	17	9R1
SLNR6345-100MHF	10.0 , 20%	47.0	3.20	2.50	15	100
SLNR6345-120MHF	12.0 , 20%	58.0	2.80	2.20	13	120
SLNR6345-150MHF	15.0 , 20%	68.0	2.50	2.05	12	150
SLNR6345-180MHF	18.0 , 20%	81.0	2.20	1.85	10	180
SLNR6345-220MHF	22.0 , 20%	89.0	2.05	1.80	10	220
SLNR6345-270MHF	27.0 , 20%	102.0	1.90	1.65	9.2	270
SLNR6345-300MHF	30.0 , 20%	132.0	1.70	1.50	7.8	300
SLNR6345-330MHF	33.0 , 20%	137.0	1.65	1.45	7.8	330
SLNR6345-390MHF	39.0 , 20%	180.0	1.50	1.25	7.8	390
SLNR6345-430MHF	43.0 , 20%	200.0	1.63	1.20	7.7	430
SLNR6345-470MHF	47.0 , 20%	200.0	1.40	1.20	6.4	470
SLNR6345-510MHF	51.0 , 20%	207.0	1.35	1.15	6.4	510
SLNR6345-560MHF	56.0 , 20%	221.0	1.30	1.10	6.4	560
SLNR6345-620MHF	62.0 , 20%	235.0	1.25	1.10	6.4	620
SLNR6345-680MHF	68.0 , 20%	289.0	1.20	1.00	6.4	680
SLNR6345-750MHF	75.0 , 20%	305.0	1.15	0.95	5	750
SLNR6345-820MHF	82.0 , 20%	341.0	1.05	0.90	4.9	820
SLNR6345-910MHF	91.0 , 20%	359.0	1.00	0.85	4.9	910
SLNR6345-101MHF	100.0 , 20%	433.0	0.95	0.80	4.2	101
SLNR6345-121MHF	120.0 , 20%	484.0	0.85	0.77	4.2	121
SLNR6345-151MHF	150.0 , 20%	580.0	0.80	0.70	4.2	151
SLNR6345-221MHF	220.0 , 20%	834.0	0.70	0.59	3.5	221
SLNR6345-331MHF	330.0 , 20%	1270.0	0.57	0.57	2.8	331

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);