



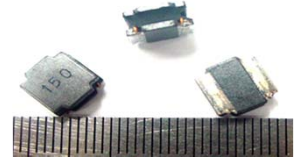
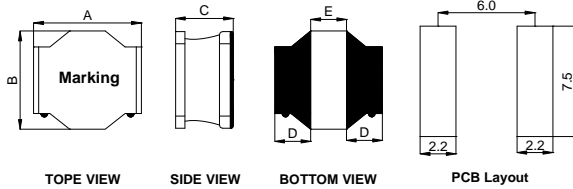
SLNR8340 Series



1. Features:

- Miniature SMD Shielded Power Inductor in a 8.3*8.3mm foot print;
- Low profile : 4.2mm 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: 1000 pcs , 13" Reel ;

2. Mechanical Dimension(Unit:mm):



Type	SLNR8340
A	8.0 ± 0.3
B	8.0 ± 0.3
C	4.0 ± 0.2
D	2.0 ± 0.3
E	4.0 ± 0.3

3. Electrical Characteristic of SLNR8340 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (mOhm) ±30%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min	Marking
SLNR8340-R82NHF	0.82 , 30%	8	13.80	6.30	94	R82
SLNR8340-1R0NHF	1.0 , 30%	8	9.85	6.30	89	1R0
SLNR8340-1R5NHF	1.5 , 30%	10	8.15	5.65	67	1R5
SLNR8340-2R0NHF	2.0 , 30%	12	9.25	5.15	43	2R0
SLNR8340-2R2NHF	2.2 , 30%	12	7.10	5.15	41	2R2
SLNR8340-3R0NHF	3.0 , 30%	14	6.10	4.70	32	3R0
SLNR8340-3R3NHF	3.3 , 30%	17	6.50	4.40	27	3R3
SLNR8340-3R9NHF	3.9 , 30%	17	5.75	4.35	26	3R9
SLNR8340-4R7NHF	4.7 , 30%	18	4.90	4.10	30	4R7
SLNR8340-5R1NHF	5.1 , 30%	19	4.70	4.05	22	5R1
SLNR8340-5R6NHF	5.6 , 30%	21	6.00	3.85	24	5R6
SLNR8340-6R2NHF	6.2 , 30%	21	4.45	3.85	20	6R2
SLNR8340-6R8MHF	6.8 , 20%	24	4.55	3.70	24	6R8
SLNR8340-8R2MHF	8.2 , 20%	26	4.20	3.45	17	8R2
SLNR8340-100MHF	10.0 , 20%	29	3.60	3.30	22	100
SLNR8340-150MHF	15.0 , 20%	47	2.95	2.60	16	150
SLNR8340-180MHF	18.0 , 20%	53	2.70	2.40	11	180
SLNR8340-220MHF	22.0 , 20%	66	2.40	2.20	13	220
SLNR8340-270MHF	27.0 , 20%	78	2.15	2.00	9.2	270
SLNR8340-330MHF	33.0 , 20%	97	2.05	1.80	12	330
SLNR8340-360MHF	36.0 , 20%	102	2.00	1.75	7.8	360
SLNR8340-390MHF	39.0 , 20%	107	1.95	1.70	7.8	390
SLNR8340-430MHF	43.0 , 20%	113	1.90	1.65	7.8	430
SLNR8340-470MHF	47.0 , 20%	136	1.75	1.55	8	470
SLNR8340-510MHF	51.0 , 20%	142	1.70	1.50	6.4	510
SLNR8340-560MHF	56.0 , 20%	148	1.55	1.45	6.4	560
SLNR8340-620MHF	62.0 , 20%	182	1.50	1.30	6.4	620
SLNR8340-680MHF	68.0 , 20%	196	1.45	1.25	7	680
SLNR8340-750MHF	75.0 , 20%	211	1.35	1.20	4.9	750
SLNR8340-910MHF	91.0 , 20%	272	1.20	1.05	4.9	910
SLNR8340-101MHF	100.0 , 20%	290	1.15	1.00	6	101
SLNR8340-121MHF	120.0 , 20%	334	1.05	0.95	3.5	121
SLNR8340-221MHF	220.0 , 20%	599	0.85	0.80	3.5	221
SLNR8340-331MHF	330.0 , 20%	889	0.68	0.64	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);