



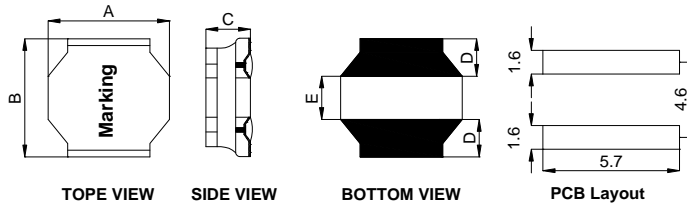
SLNR6320 Series



1. Features:

- Miniature SMD Shielded Power Inductor in a 6.3*6.3mm foot print;
- Low profile : 2.0mm max.height.
- Inductance Range of 0.50uH to 22.0uH ;
- Ideal for DC to DC power converter application ;
- Operating Temperature Range -55°C to + 130°C , RoHs compliance ;
- T & R Qty: 2500 pcs , 13" Reel ;

2. Mechanical Dimension(Unit:mm):



Type	SLNR6320
A	6.0 ± 0.3
B	6.0 ± 0.3
C	2.0 (Max.)
D	1.55 ± 0.3
E	2.9 ± 0.3

3. Electrical Characteristic of SLNR6320 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (m Ω) ±30%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min	Marking
SLNR6320-R50NHF	0.50 , 30%	13.0	4.90	4.05	130	R50
SLNR6320-R68NHF	0.68 , 30%	17.0	7.50	3.80	120	R68
SLNR6320-R82NHF	0.82 , 30%	17.0	6.60	3.80	110	R82
SLNR6320-1R0NHF	1.0 , 30%	20.0	4.15	3.25	94	1R0
SLNR6320-1R2NHF	1.2 , 30%	22.0	5.90	3.20	88	1R2
SLNR6320-1R5NHF	1.5 , 30%	22.0	4.25	3.20	93	1R5
SLNR6320-1R8NHF	1.8 , 30%	28.0	4.85	2.75	68	1R8
SLNR6320-2R0NHF	2.0 , 30%	35.0	4.30	2.45	64	2R0
SLNR6320-2R2NHF	2.2 , 30%	28.0	3.75	2.75	73	2R2
SLNR6320-2R7NHF	2.7 , 30%	35.0	3.90	2.60	56	2R7
SLNR6320-3R3NHF	3.3 , 30%	35.0	3.15	2.60	55	3R3
SLNR6320-3R9NHF	3.9 , 30%	49.0	3.25	2.10	46	3R9
SLNR6320-4R3NHF	4.3 , 30%	49.0	2.70	2.10	44	4R3
SLNR6320-4R7NHF	4.7 , 30%	58.0	3.00	2.00	43	4R7
SLNR6320-5R6NHF	5.6 , 30%	58.0	2.40	1.90	36	5R6
SLNR6320-6R2NHF	6.2 , 30%	79.0	2.30	1.80	35	6R2
SLNR6320-6R8NHF	6.8 , 30%	79.0	2.20	1.80	31	6R8
SLNR6320-8R2MHF	8.2 , 20%	105.0	2.10	1.40	28	8R2
SLNR6320-100MHF	10.0 , 20%	105.0	1.75	1.40	27	100
SLNR6320-120MHF	12.0 , 20%	120.0	1.70	1.35	23	120
SLNR6320-150MHF	15.0 , 20%	145.0	1.50	1.20	21	150
SLNR6320-180MHF	18.0 , 20%	175.0	1.23	1.10	19	180
SLNR6320-220MHF	22.0 , 20%	204.0	1.25	1.00	16	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);