

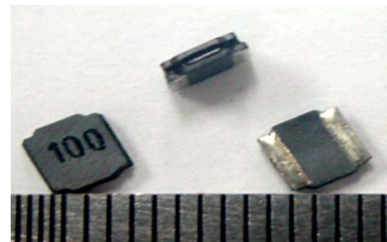


SLNR4330 Series



1. Features of SLNR4330 Series :

- Miniature SMD shielded power inductor.
- Low profile 3.0mm max height
- Inductance range of 0.91uH to 120.0uH.
- Ideal for DC to DC power converter application.
- Operating temperature range of -55.0 °C ~ +130.0°C.
- RoHS and HF compliant.
- Tape and Reel quantities: 2,000pcs, 13" Reel



2. Electrical Characteristics of SLNR4330 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (mΩ) ±30%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min
SLNR4330-R91NHF	0.91 , 30%	10.0	6.25	4.15	100
SLNR4330-1R2NHF	1.2 , 30%	15.0	5.80	3.82	80
SLNR4330-1R5NHF	1.5 , 30%	20.0	4.84	3.34	62
SLNR4330-1R8NHF	1.8 , 30%	25.0	5.40	3.20	60
SLNR4330-2R2NHF	2.2 , 30%	30.0	4.90	2.95	52
SLNR4330-3R3MHF	3.3 , 20%	40.0	3.30	2.40	38
SLNR4330-4R3MHF	4.3 , 20%	55.0	2.95	2.10	37
SLNR4330-4R7MHF	4.7 , 20%	60.0	2.90	2.00	31
SLNR4330-5R6MHF	5.6 , 20%	65.0	2.60	1.95	30
SLNR4330-6R2MHF	6.2 , 20%	70.0	2.50	1.85	29
SLNR4330-6R8MHF	6.8 , 20%	90.0	2.75	1.60	24
SLNR4330-7R5MHF	7.5 , 20%	85.0	2.20	1.65	26
SLNR4330-8R2MHF	8.2 , 20%	90.0	2.10	1.60	26
SLNR4330-9R1MHF	9.1 , 20%	95.0	2.00	1.55	23
SLNR4330-100MHF	10.0 , 20%	100.0	1.95	1.50	21
SLNR4330-120MHF	12.0 , 20%	135.0	1.70	1.30	18
SLNR4330-150MHF	15.0 , 20%	190.0	1.65	1.11	16
SLNR4330-180MHF	18.0 , 20%	200.0	1.40	1.10	10
SLNR4330-220MHF	22.0 , 20%	225.0	1.30	1.00	10
SLNR4330-330MHF	33.0 , 20%	330.0	1.10	0.84	10
SLNR4330-360MHF	36.0 , 20%	335.0	1.05	0.83	9.8
SLNR4330-390MHF	39.0 , 20%	435.0	1.03	0.73	10
SLNR4330-430MHF	43.0 , 20%	440.0	1.00	0.73	9.2
SLNR4330-470MHF	47.0 , 20%	445.0	0.95	0.72	8.4
SLNR4330-510MHF	51.0 , 20%	470.0	0.90	0.70	8.4
SLNR4330-560MHF	56.0 , 20%	555.0	0.85	0.65	8.4
SLNR4330-620MHF	62.0 , 20%	585.0	0.80	0.63	7
SLNR4330-680MHF	68.0 , 20%	700.0	0.75	0.58	7
SLNR4330-750MHF	75.0 , 20%	1020.0	0.70	0.48	6.3
SLNR4330-820MHF	82.0 , 20%	1060.0	0.66	0.47	5.6
SLNR4330-910MHF	91.0 , 20%	1100.0	0.65	0.46	5.6
SLNR4330-101MHF	100.0 , 20%	1150.0	0.60	0.45	5.6
SLNR4330-121MHF	120.0 , 20%	1350.0	0.55	0.42	5.4

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● Tokyo 81 568 85 2830 ● Shenzhen 86 755 8418 6263 ● Shanghai 86 21 5424 5141 ● Hong Kong 852 9688 9767

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**Due to continuous product improvement, all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.*



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3. Mechanical Dimensions (unit : mm):

A	B	C	D	E
±0.3	±0.3	Max.	±0.3	±0.3
4.0	4.0	3.0	0.95	2.1

Third Angle Projection:

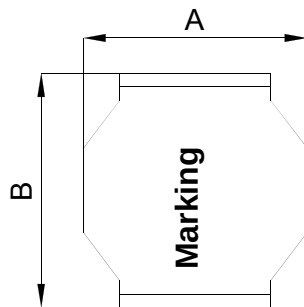


Part Marking:

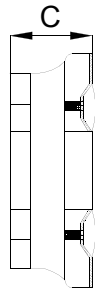
xx is inductance value in uH(R:decimal point),

x is special code

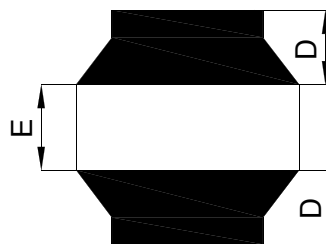
YYWW: Date Code



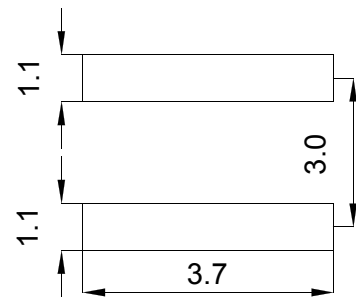
TOP VIEW



SIDE VIEW



BOTTOM VIEW



PCB Layout

Test Condition:

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)

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