

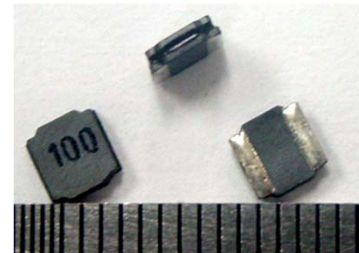


SLNR6320 Series



1. Features of SLNR6320 Series :

- Miniature SMD shielded power inductor.
- 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 of -55.0°C up to +130.0°C.
- RoHS and HF compliant.
- Tape and Reel quantities: 2,500pcs, 13" Reel



2. Electrical Characteristics of SLNR6320 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (mΩ) ±30%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min
SLNR6320-R50NHF	0.50 , 30%	13.0	4.90	4.05	130
SLNR6320-R68NHF	0.68 , 30%	17.0	7.50	3.80	120
SLNR6320-R82NHF	0.82 , 30%	17.0	6.60	3.80	110
SLNR6320-1R0NHF	1.00 , 30%	20.0	4.15	3.25	94
SLNR6320-1R2NHF	1.20 , 30%	22.0	5.90	3.20	88
SLNR6320-1R5NHF	1.50 , 30%	22.0	4.25	3.20	93
SLNR6320-1R8NHF	1.80 , 30%	28.0	4.85	2.75	68
SLNR6320-2R0NHF	2.00 , 30%	35.0	4.30	2.45	64
SLNR6320-2R2NHF	2.20 , 30%	28.0	3.75	2.75	73
SLNR6320-2R7NHF	2.70 , 30%	35.0	3.90	2.60	56
SLNR6320-3R3NHF	3.30 , 30%	35.0	3.15	2.60	55
SLNR6320-3R9NHF	3.90 , 30%	49.0	3.25	2.10	46
SLNR6320-4R3NHF	4.30 , 30%	49.0	2.70	2.10	44
SLNR6320-4R7NHF	4.70 , 30%	58.0	3.00	2.00	43
SLNR6320-5R6NHF	5.60 , 30%	58.0	2.40	1.90	36
SLNR6320-6R2NHF	6.20 , 30%	79.0	2.30	1.80	35
SLNR6320-6R8NHF	6.80 , 30%	79.0	2.20	1.80	31
SLNR6320-8R2MHF	8.20 , 20%	105.0	2.10	1.40	28
SLNR6320-100MHF	10.00 , 20%	105.0	1.75	1.40	27
SLNR6320-120MHF	12.00 , 20%	120.0	1.70	1.35	23
SLNR6320-150MHF	15.00 , 20%	145.0	1.50	1.20	21
SLNR6320-180MHF	18.00 , 20%	175.0	1.23	1.10	19
SLNR6320-220MHF	22.00 , 20%	204.0	1.25	1.00	16

3. Mechanical Dimensions (unit : mm):

A	B	C	D	E
±0.3	±0.3	Max.	±0.3	±0.3
6.0	6.0	2.0	1.55	2.9

Third Angle Projection:

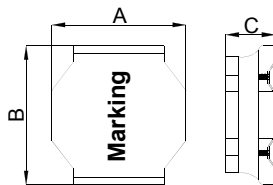


Part Marking:

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

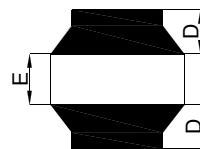
x is special code

YYWW: Date Code

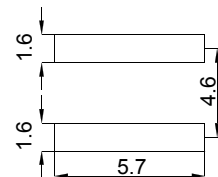


TOP VIEW

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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*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.