

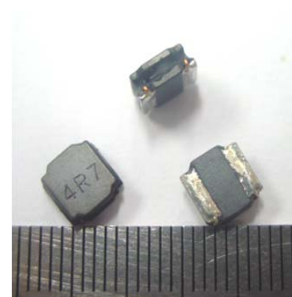


SLNR5341 Series



1. Features of SLNR5341 Series :

- Miniature SMD shielded power inductor.
- Low profile 4.1mm max height
- Inductance range of 1.50uH to 47.0uH.
- 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: 1,500pcs, 13" Reel



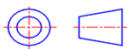
2. Electrical Characteristics of SLNR5341 Series:

Part Number	OCL (uH) ± 20% or 30%	DCR (mΩ) ±30%	Isat (A) @25°C	Irms (A) @25°C	SRF (MHz) Min
SLNR5341-1R5NHF	1.5 , 30%	20.0	6.00	3.60	60
SLNR5341-2R2NHF	2.2 , 30%	22.0	4.60	3.50	42
SLNR5341-3R3NHF	3.3 , 30%	27.0	3.80	3.30	32
SLNR5341-4R7NHF	4.7 , 30%	29.0	3.30	3.10	28
SLNR5341-6R8MHF	6.8 , 20%	49.0	2.60	2.30	21
SLNR5341-100MHF	10.0 , 20%	56.0	2.30	2.10	18
SLNR5341-150MHF	15.0 , 20%	80.0	2.00	1.80	13
SLNR5341-220MHF	22.0 , 20%	126.0	1.60	1.40	9
SLNR5341-330MHF	33.0 , 20%	180.0	1.30	1.20	7
SLNR5341-470MHF	47.0 , 20%	310.0	1.10	0.90	6

3. Mechanical Dimensions (unit : mm):

A	B	C	D	E
±0.3	±0.3	Max.	±0.3	±0.3
5.0	5.0	4.1	1.25	2.5

Third Angle Projection:

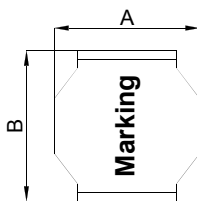


Part Marking:

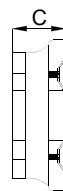
xx is inductance value in uH(R:decimal point),

x is special code

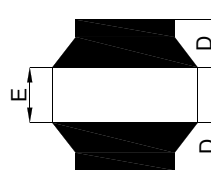
YYWW: Date Code



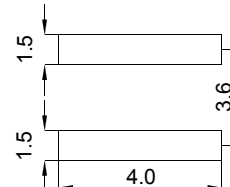
TOP VIEW



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)

● New York 1 914 347 2474 ● Taipei 886 2 2698 8669 ● Kaohsiung 886 7 350 2275
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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.