

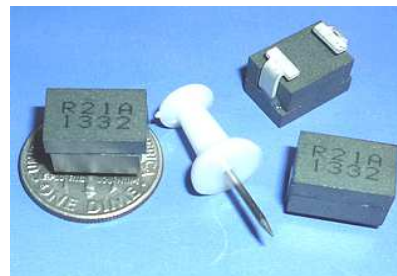


SLD47308 Series



1. Features:

- Ferrite based SMD Inductor with lower core loss.
- Custom values are welcomed.
- High current output chokes, upto 62.0 Amp with approx. 20% roll off.
- Low Profile 9.20mm Max. height .
- Foot Print 12.00 x 7.90 mm Max.
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating frequency up to 1 MHz application.
- Operating Temperature Range -55°C to + 130°C , RoHs & HF compliance .
- T & R Qty: 400 pcs , 13" Reel ;

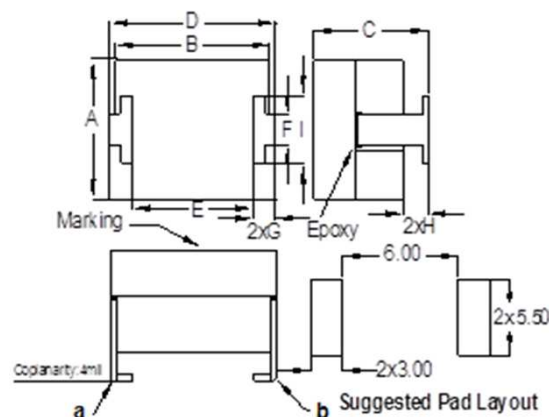


2. Electrical Characteristic of SLD47308 Series:

Part Number	Inductance (uH) ±10%	DCR (mΩ) ± 5.0%	Isat ¹ (A) @25°C	Isat ² (A) @75°C	Isat ³ (A) @100°C	Isat ⁴ (A) @125°C	Irms (A) @25°C
SLD47308A-R21KHF	0.21	0.26	62.00	60.00	56.00	54.00	50.00

3. Mechanical Dimension(Unit:mm):

A Max.	B Max.	C Max.	D Max.	E Nom.	F Nom.	G Nom.	H Min.	I ±0.2
7.90	11.90	9.20	12.00	6.00	2.70	2.70	1.50	5.00



Note:

- 1>.Open Circuit Inductance (OCL) test condition:100KHz,0.1Vrms,0Adc ,at 25 °C .
- 2>.Full Load Inductance (FLL) Test condition:100KHz,0.1Vrms ,Isat ;(Ta=25 °C).
- 3>.Isat¹,Isat²,Isat³ & Isat⁴ : DC current that will cause inductance to drops approximately by 20% ;
- 4>. Irms: DC current for an approximate temperature rise of 40°C without core loss,.Derating is necessary for AC currents. PCB pad layout,trace thickness and width,air-flow and proximity of other heat generating components will affect the temperature rise. It is recommended the part temperature not exceed 130°C under worst case operating conditions verified in the end application.
- 5>.The nominal DCR is measured from point "a" to point "b",as shown above on the mechanical drawing.

4. Inductance Characteristics (Inductance vs. Current):

