

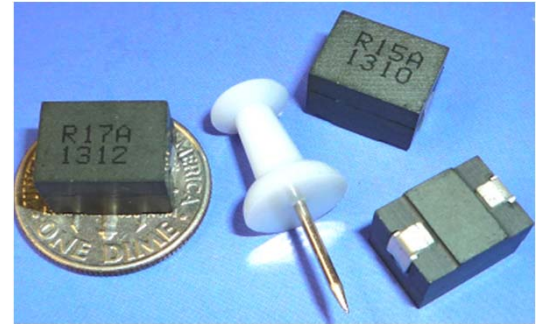


SL43328A Series



1. Features:

- Ferrite based SMD Inductor with lower core loss.
- Inductance Range:150nH to 170nH , Custom values are welcomed.
- High current output chokes, upto 86.0 Amp with approx. 20% roll off.
- Low Profile 8.0mm Max. height .
- 10.9 x 7.8mm foot print.
- 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 Qtys: 450 pcs , 13" Reel ;

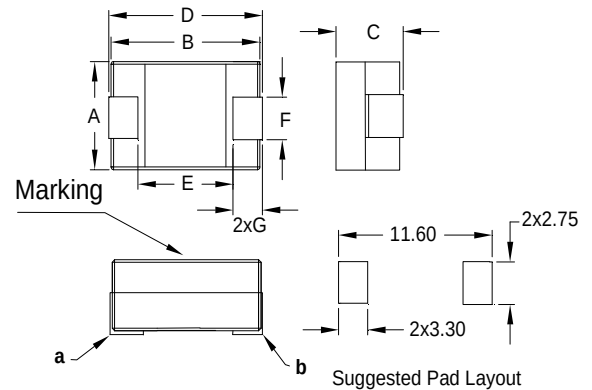


2. Electrical Characteristic of SL43328A Series:

Part Number	Inductance (uH) ±10%	DCR (mΩ) ± 5.0%	Isat ¹ (A) @25°C	Isat ² (A) @75°C	Isat ³ (A) @100°C	Irms (A) @25°C
SL43328A-R15KHF	0.150	0.195	86.00	82.00	78.00	70.00
SL43328A-R17KHF	0.170	0.195	77.00	72.00	68.00	70.00

3. Mechanical Dimension(unit: mm):

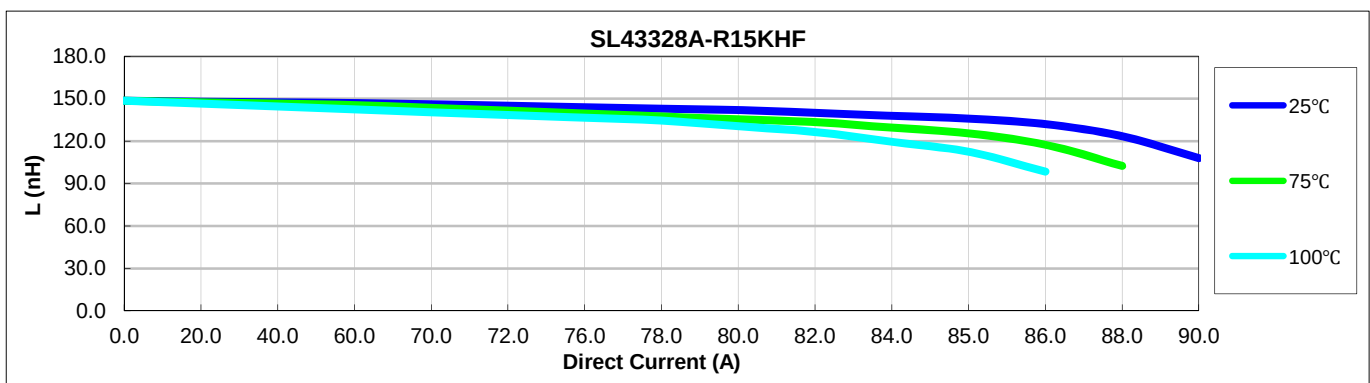
A	B	C	D	E	F	G
±0.20	Max.	±0.20	±0.20	Nom.	Nom.	Nom.
7.80	10.80	7.80	10.90	5.70	2.20	2.50



Note:

- 1>.Open Circuit Inductance (OCL) test condition:100KHz,0.1Vrms,0A_{dc} ,at 25 °C.
- 2>.Full Load Inductance (FLL) Test condition:100KHz,0.1Vrms ,Isat ;(Ta=25 °C).
- 3>.Isat¹,Isat²&Isat³: 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):





SL43328A Series

Inductance vs. Current

