

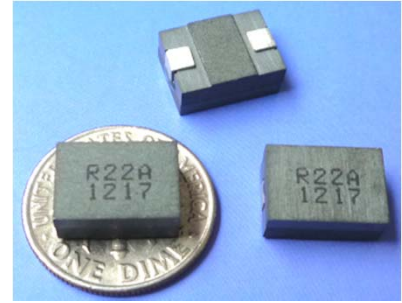


# SL4320 Series



## 1. Features:

- Ferrite based SMD Inductor with lower core loss.
- Inductance Range:100nH to 226nH. Custom values are welcomed.
- High current output chokes, upto 93.5 Amp with approx. 20% roll off.
- Low Profile 5.0mm Max. height .
- Foot Print 11.0 x 8.0 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 Qtys: 1050 pcs , 13" Reel ;

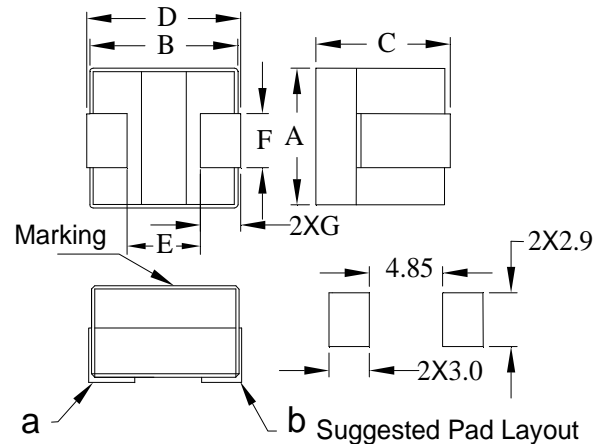


## 2. Electrical Characteristic of SL4320 Series:

Part Number	Inductance (nH) ±10%	DCR (mΩ) ± 7.0%	Isat <sup>1</sup> (A) @25°C	Isat <sup>2</sup> (A) @75°C	Isat <sup>3</sup> (A) @100°C	Isat <sup>4</sup> (A) @125°C	Irms (A) @25°C	C (mm) Max.
SL4320A-R10KHF	100.0	0.35	93.50	84.00	80.00	67.00	62.00	5.10
SL4320A-R12KHF	120.0	0.35	78.00	70.00	65.00	62.00	62.00	5.10
SL4320A-R15KHF	150.0	0.35	64.00	56.00	52.00	48.00	62.00	5.00
SL4320A-R22KHF	226.0	0.35	40.00	35.00	33.00	30.00	62.00	5.00

## 3. Mechanical Dimension(Unit:mm):

A Max.	B Max.	C Max.	D Max.	E Ref.	F Nom.	G Nom.
8.00	10.90	See Table	11.00	6.00	2.40	2.50



### 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>.Isat<sup>1</sup>,Isat<sup>2</sup> ,Isat<sup>3</sup>& Isat<sup>4</sup> : 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 oper:
- 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):



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## Inductance vs. Current

