

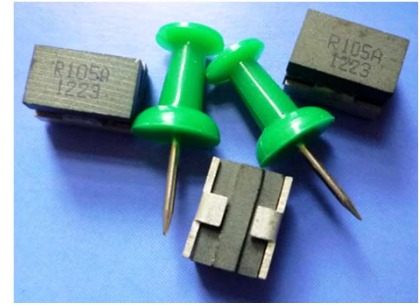


AH323511 Series



1. Features:

- Ferrite based SMD Inductor with lower core loss.
- Custom values are welcomed.
- High current output chokes, upto 76.0 Amp with approx. 20% roll off.
- Low Profile 9.00mm Max. height .
- Foot Print 8.20 x 11.00 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: 300 pcs , 13" Reel ;

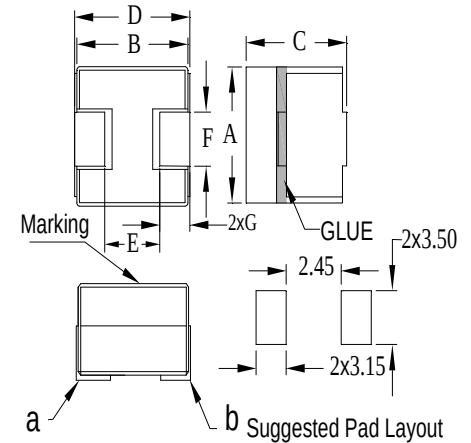


2. Electrical Characteristic of AH323511 Series:

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
AH323511A-R105KHF	0.105	0.05	76.00	74.00	70.00	91.00

3. Mechanical Dimension(Unit:mm):

A	B	C	D	E	F	G
Max.	Max.	Max.	Max.	Nom.	Nom.	Nom.
11.00	6.65	9.00	8.20	2.80	3.00	2.40



Note:

- 1>.Open Circuit Inductance (OCL) test condition:500KHz,0.25Vrms,0Adc ,at 25 °C.
- 2>.Full Load Inductance (FLL) Test condition:500KHz,0.25Vrms ,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):

