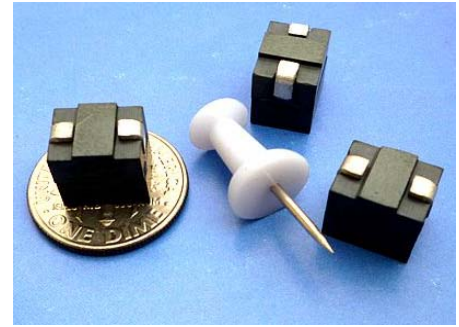


1. Features of AH39407 Series :

- Ferrite based SMD Inductor with lower core loss.
- Custom values are welcomed.
- High current output chokes, up to 66.0 Amp with approx. 20% roll off.
- Low profile 10.20 mm Max. height.
- 10.00 x 7.30 mm Foot Print.
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating frequency up to 2 MHz application.
- Operating Temperature Range -55°C to + 130°C. RoHs & HF compliant .
- T & R Qtys: 350 pcs , 13" Reel.

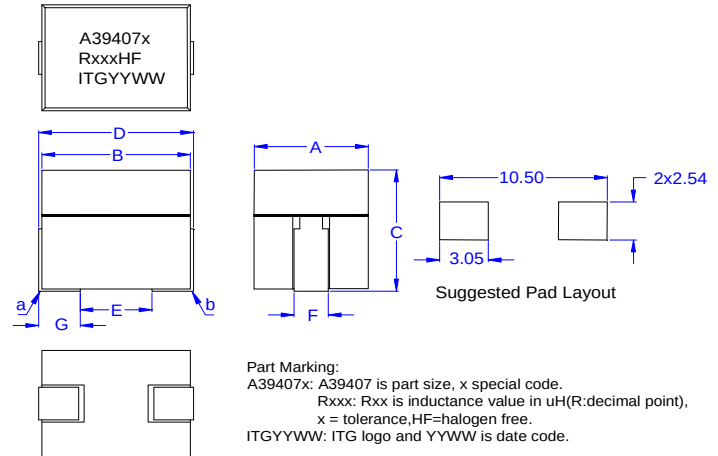


2. Electrical Characteristic of AH39407 Series :

Part Number	OCL ¹ (nH) ± 10%	L@Isat1 ² (nH) Typ.	DCR ³ (mΩ) ± 5.0%	Isat1 ⁴ (A) @25°C	Isat2 ⁴ (A) @75°C	Isat3 ⁴ (A) @100°C	Irms ⁵ (A) @25°C
AH39407A-R15KHF	150.0	105.00	0.20	66.00	62.00	60.00	61.00

3. Mechanical Dimension(Unit:mm):

A (Max.)	B (Max.)	C (Max.)	D (Max.)	E (Nom.)	F ± 0.20	G ± 0.30
7.30	9.50	10.20	10.00	5.00	2.20	2.50



Note:

- 1> Open Circuit Inductance (OCL) test condition:500KHz,0.25Vrms, 0Adc at 25°C.
- 2> L @ Isat and L @ Irms Test condition:500KHz,0.25Vrms (Ta=25°C).
- 3> The nominal DCR is measured from point "a" to point"b", as shown above on the mechanical drawing (Ta=25°C).
- 4> Isat1, Isat2 & Isat3 : DC current that will cause inductance to drop approximately by 20%.
- 5> 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 as verified in the end application.

Third Angle Projection:

4. Inductance Characteristics (Inductance vs. Current):

