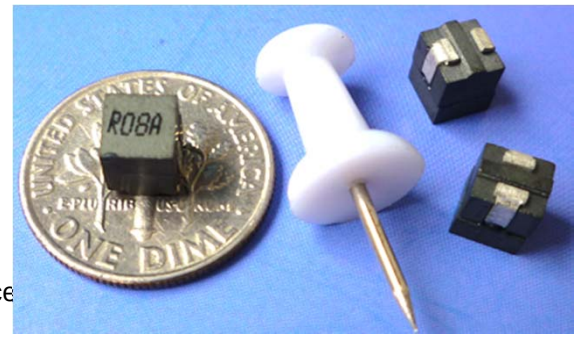
AH2026 Series

1. Features:



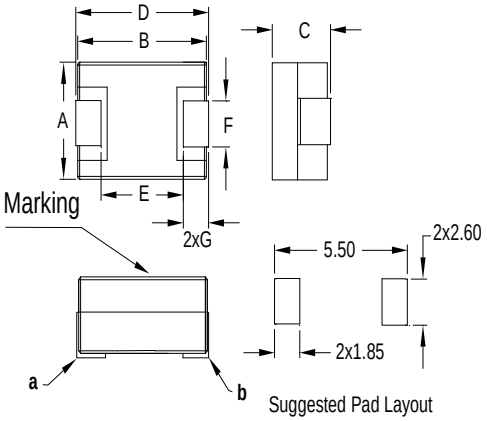
- Ferrite based SMD Inductor with lower core loss.
- Inductance Range:50.0nH to 80.0nH.Custom values are welcomed.
- High current output chokes, upto 74.0 Amp with approx. 20% roll off.
- Low Profile 6.60mm Max. height .
- Foot Print 5.20 x 5.00 mm Max.
- Ideal for Buck Converter, VRM & High Density Board Design.
- Operating frequency up to 2 MHz application.
- Operating Temperature Range -55°C to + 130°C , RoHs & HF compliance
- T & R Qtys: 800 pcs , 13" Reel ;

2. Electrical Characteristic of AH2026 Series:

Part Number	Inductance (nH) ±15%	DCR (mΩ) ± 7.0% or 9.0%	Isat[1] (A) @25℃	Isat[2] (A) @45℃	Isat[3] (A) @75℃	Isat[4] (A) @100℃	Irms (A) @25℃
AH2026A-R05LHF	50.00	0.27 , 7.0%	70.00	69.00	68.00	66.00	53.00
AH2026B-R05LHF	50.00	0.47 , 9.0%	70.00	69.00	68.00	66.00	40.00
AH2026A-R08LHF	80.00	0.27 , 7.0%	48.00	47.00	44.00	42.00	53.00
AH2026B-R08LHF	80.00	0.47 , 9.0%	48.00	47.00	44.00	42.00	40.00

3. Mechanical Dimension(Unit:mm):

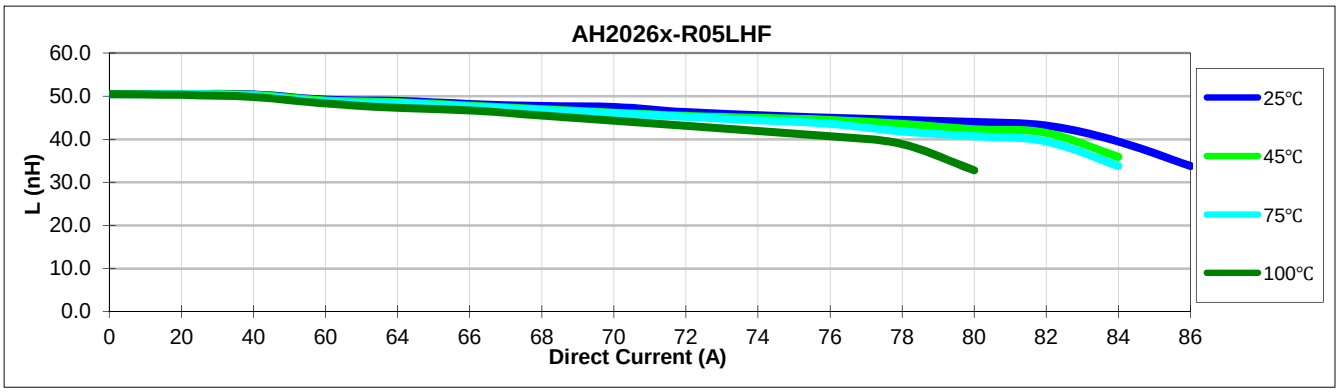
A Max.	B Max.	C Max.	D Max.	E Nom.	F Nom.	G Nom.
5.00	5.00	6.60	5.20	2.40	2.00	1.40



Note:

1>.Open Circuit Inductance (OCL) test condition:500KHz,0.25Vrms,0Adc ,at 25 ℃.
2>.Full Load Inductance (FLL) Test condition:500KHz,0.25Vrms ,Isat ;(Ta=25 ℃).
3>.Isat[1],Isat[2]&Isat[3],Isat[4]: DC current that will cause inductance to drops approximately by 20% ;
4>. Irms: DC current for an approximate temperature rise of 40℃ 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):



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Inductance vs. Current