



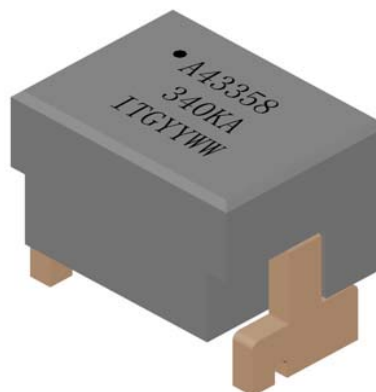
Halogen Free

AHD43358 Series



1. Features:

- Ferrite based SMD inductor with lower core loss.
- Inductance 340nH. Custom values are welcomed.
- High current output chokes, up to 35.0 Amp with approx. 20% roll off.
- Low profile 10.0mm Max. height .
- Foot Print 11.0 x 8.0 mm Max.
- Perfect for high density designs with limited board space.
- Operating frequency up to 2.0 MHz.
- Operating Temperature Range -55°C to + 130°C , RoHs & HF compliant .
- T & R Qty: 450 pcs , 13" Reel.

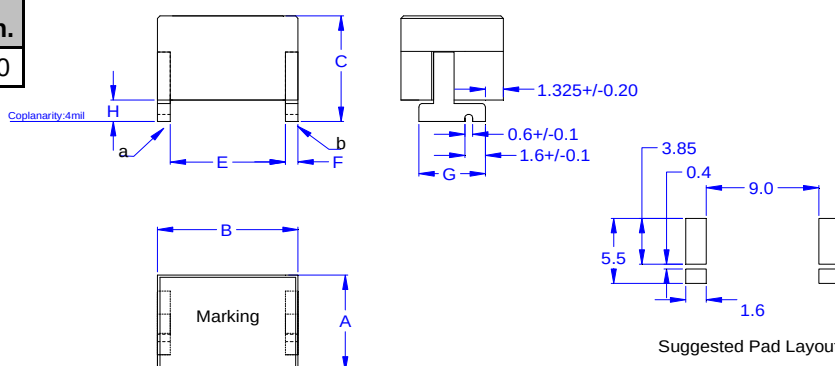


2. Electrical Characteristic of AHD43358 Series:

ITG Part Number	OCL ¹ (nH) ± 10%	L @ Isat1 ² (nH) Min.	DCR ³ (mΩ) ± 5%	Isat1 ⁴ (A) @25°C	Isat2 ⁴ (A) @100°C	Isat3 ⁴ (A) @125°C	Irms ⁵ (A) @25°C
AHD43358A-340K	340.00	250.00	0.410	35.00	32.00	30.00	45.00

3. Mechanical Dimension(Unit:mm):

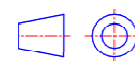
A	B	C	E	F	G	H
Max.	Max.	Max.	± 0.20	± 0.10	± 0.10	Min.
8.00	11.60	10.00	9.50	1.00	5.20	1.60



Notes:

- 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.

First Angle Projection:



4. Inductance Characteristics (Inductance vs. Current):

