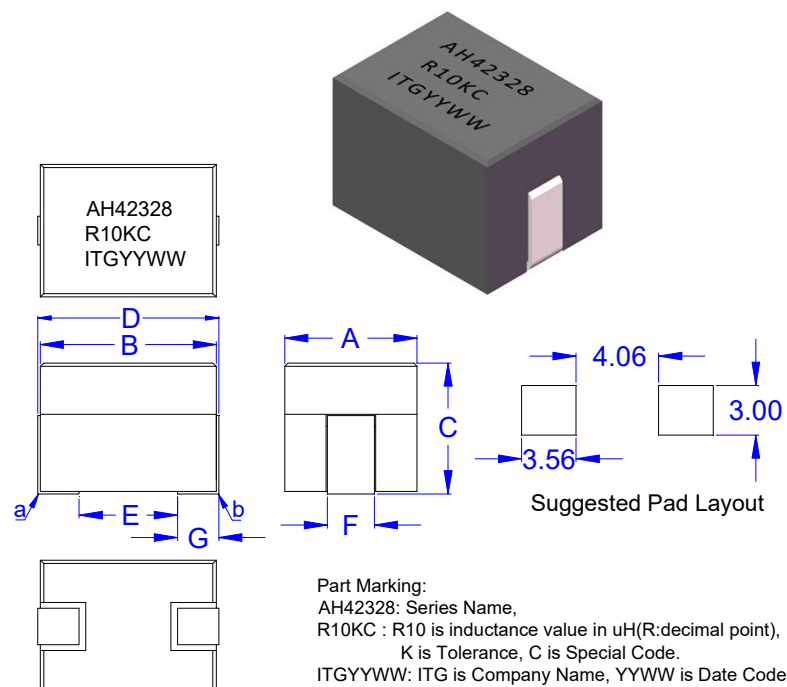


1. Configuration & Dimensions (in mm):

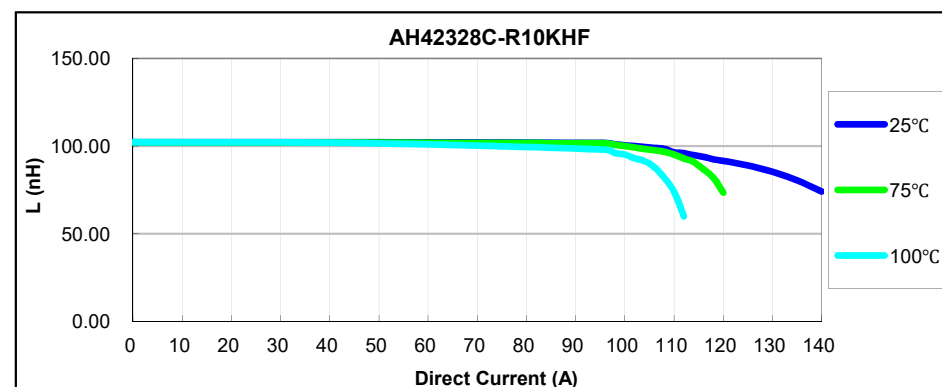


A	8.00	Max.	mm
B	10.40	± 0.20	mm
C	8.00	Max.	mm
D	10.70	± 0.20	mm
E	5.00	Ref.	mm
F	2.20	± 0.25	mm
G	2.50	± 0.35	mm

2. Electrical Characteristics (Ta=25°C) :

- 1> Open Circuit Inductance (OCL): 100.0nH ± 10% at 100KHz, 0.1Vrms, 0Adc.
- 2> Saturation Point: Isat1=125.0Adc @ 25°C , Isat2=115.0Adc @ 75°C , Isat3=105.0Adc @ 100°C
this DC current that will cause inductance to drop approximately by 20%.
- 3> L @ Isat: 72.0nH Typ. at Isat1=125.0A.
- 4> Irms: 74.0A , DC current that causes an approximate temperature rise (ΔT) of 40°C.
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.
- 5> DCR: 0.18 ± 5% mΩ measured from point "a" to point "b", as shown on the left mechanical drawing (Ta=25°C).

3. Inductance Characteristics (Inductance vs. Current):



Notes:

- 1> T & R Qty: 450 pcs , 13" Reel.
- 2> Operating Temperature Range -55°C to + 130°C.
- 3> Rohs and HF Compliance Component.
- 4> Operating frequency up to 5.0 MHz.

REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
A.0	5/13/2019	New	Eva
A.1	5/23/2019	Update T & R Qty (was 500pcs/Reel).	Eva

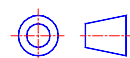
UNLESS OTHERWISE SPECIFIED
 DIMENSIONS ARE IN mm.

TOLERANCES

2PL ± 0.30

3PL ± 0.15

Third Angle Projection



ITG Electronics, Inc.

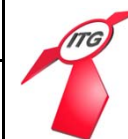
AH42328C-R10KHF

Power Bead, 100nH, 125A, 0.18mΩDCR

DWG. NO.

AH42328C-R10KHF

SCALE: 1/1



REV.

A.1

SHEET

1 OF 1