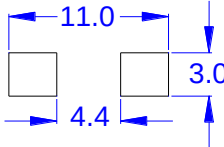
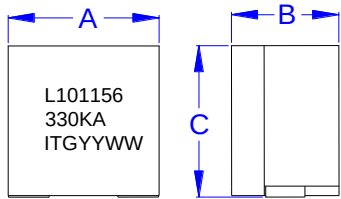
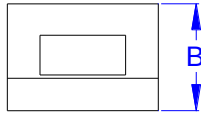
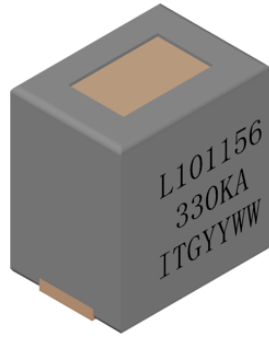
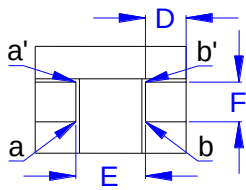


1. Configuration & Dimensions (in mm):



Suggested Pad Layout



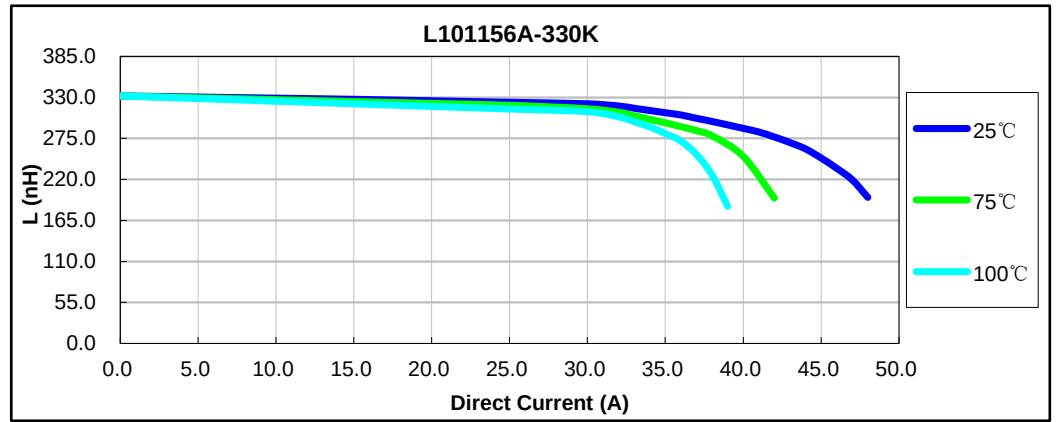
Part Marking:
L101156: part size.
330KA:330 is inductance value in nH, K is OCL tolerance,
A is special code.
ITGYYWW: ITG logo and YYWW is date code.

A	10.60	(Max.)	mm
B	7.00	(Max.)	mm
C	10.00	(Max.)	mm
D	2.80	± 0.20	mm
E	4.80	(Nom.)	mm
F	2.30	± 0.20	mm

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

- 1> Open Circuit Inductance (OCL): 330.0nH ± 10% at 100KHz, 0.25Vrms, 0Adc, at 25°C.
- 2> Saturation Point: Isat1=42.0Adc @ 25°C ,Isat2=38.0Adc @ 75°C ,Isat3=35.0Adc @ 100°C, this DC current that will cause inductance to drop approximately by 20%.
- 3> L @ Isat: 231.0nH Min. at Isat1=42.0Adc.
- 4> Irms: 44.0Adc , 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: 0.40 ± 5% mΩ measured from point point "a" and "a" to point"b" and "b", as shown on the left mechanical drawing (Ta=25°C).

3. Inductance Characteristics (Inductance vs. Current):



Notes:

- 1> T & R Qtys: 400 pcs , 13" Reel.
- 2> Operating Temperature Range -55°C to + 130°C.
- 3> Rohs and HF Compliance Component.
- 4> Operating frequency up to 1.0 MHz.

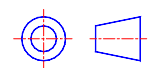
REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
A	2015/8/17	New	DavidWong
B	2016/4/25	Changed the DCR tolerance from ±7% to ±5%	DavidWong
C	2016/6/3	Changed Dim. B from 7.30mm MAX to 7.0mm MAX	DavidWong
D			
E			
F			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm.

TOLERANCES
2PL ± 0.30
3PL ± 0.15

Third Angle Projection



Inter-Technical Group

L101156A-330K

Power Bead,330nH,42.0A,0.40mΩ DCR

DWG. NO.

L101156A-330K

SCALE: 1/1

SHEET

1 OF 1



REV.
C

Due to continuous product improvement ,all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.