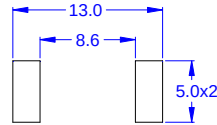
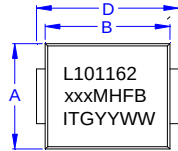
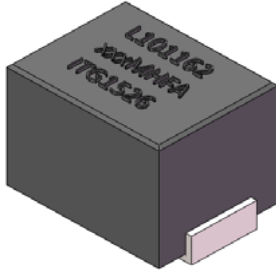
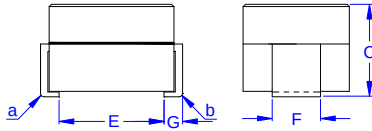


1. Configuration & Dimensions (in mm):



Suggested Pad Layout



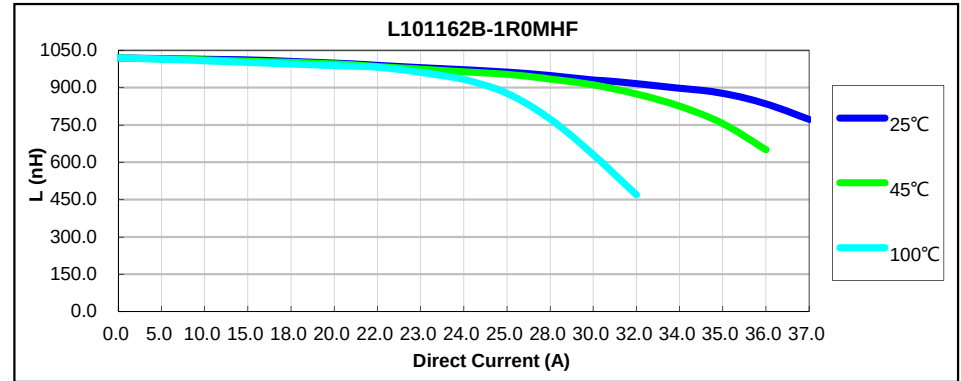
Part Marking:
L101162: L101162 is part size.
xxx: inductance value in uH(R:decimal point),
M = tolerance, HF=halogen free, A: special code.
ITGYYWW: ITG logo, YYWW: date code.

A	8.30	(Max.)	mm
B	12.00	(Max.)	mm
C	10.50	(Max.)	mm
D	12.50	± 0.30	mm
E	8.70	± 0.10	mm
F	4.50	± 0.50	mm
G	1.95	± 0.30	mm

2. Electrical Characteristics:

- 1> Open Circuit Inductance (OCL): 1.0uH±20% at 100KHz, 0.25Vrms, 0Adc, at 25°C.
- 2> Isat1 @25°C: 33.0A, Isat2 @45°C: 32.0A, Isat3 @100°C: 25.0A, DC current that will cause inductance to drop approximately by 20%.
- 3> Irms: 22.0A, DC current that causes an approximate temperature rise (ΔT) of 40°C.
- 4> DCR: 4.05±10% mΩ (Ta=25°C).

3. Inductance Characteristics (Inductance vs. Current):



Notes:

1. T & R Qtys: 350 pcs, 13" Reel.
2. Operating Temperature Range -55°C to +130°C
3. RoHS and HF Compliance Component

REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
A	2015/6/29	NEW	Eva
B			
C			
D			
E			
F			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm.

TOLERANCES
2PL ± 0.3
3PL ± 0.15

Third Angle Projection



Inter-Technical Group

L101162B-1R0MHF

Inductor, 1.0uH, 33.0A, 4.05mΩ DCR

DWG. NO.

L101162B-1R0MHF

SCALE: 1/1

SHEET

REV.

A

1 OF 1