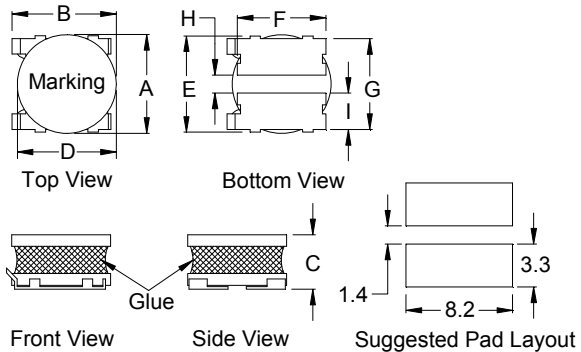
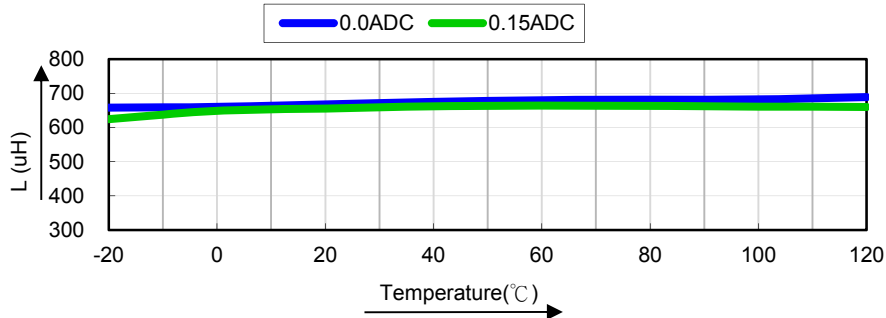


1. Configuration & Dimensions (in mm):

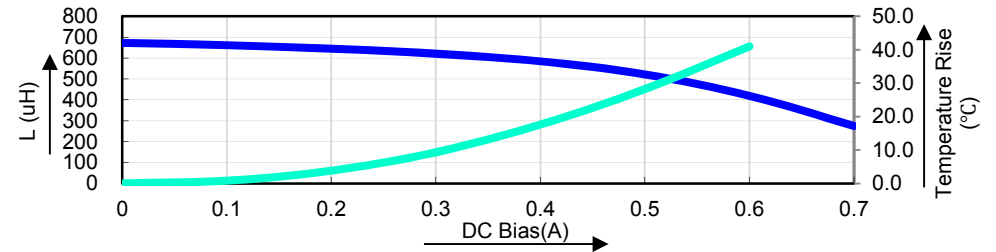


A	8.6	(Max.)	mm
B	8.7	(Max.)	mm
C	4.0	± 0.3	mm
D	7.8	± 0.3	mm
E	7.5	± 0.3	mm
F	6.5	± 0.2	mm
G	7.0	± 0.2	mm
H	1.5	± 0.2	mm
I	2.8	± 0.2	mm

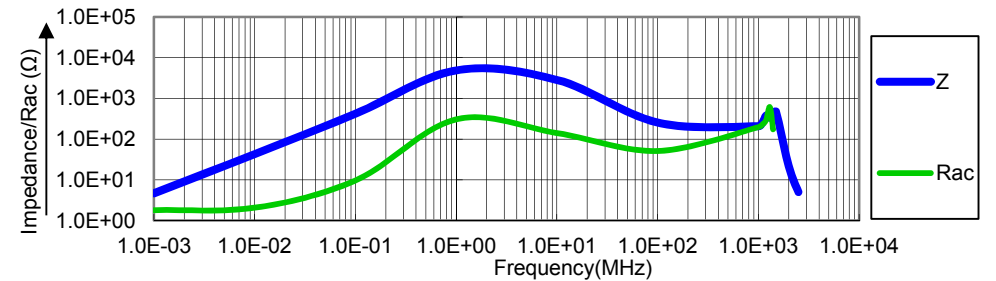
2.1 Typical Inductance vs. Temperature Characteristics:



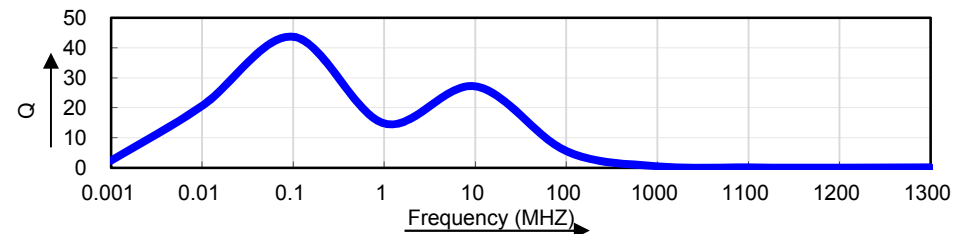
2.2 Typical Inductance vs. DC Bias and Temperature vs. DC Bias Characteristics:



2.3 Typical Impedance vs. Frequency and Rac vs. Frequency Characteristics:



2.4 Typical Inductance vs. Q Characteristics:



NOTES:

- 1> Open Circuit Inductance (OCL): 680.0uH±20% at 100KHz, 0.25Vrms, 0Adc (Ta=25°C).
- 2> Isat: 0.30A, DC current that will cause inductance to drop approximately by 30%.
- 3> Irms: 0.50A, DC current that causes an approximate temperature rise (ΔT) of 40°C.
- 4> DCR: 2.2Ω Max. (Ta=25°C).
- 5> Operating Temperature Range -40°C to +105°C. RoHS & HF compliant.

REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
1.0	8/30/2014	NEW	Billy Tang
1.1	9/2/2014	Dimension H = 1.5mm (was 1.3mm), F = 6.5mm (was 6.8mm)	David Wang
1.2			
1.3			
1.4			
1.5			

UNLESS OTHERWISE SPECIFIED

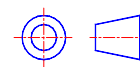
DIMENSIONS ARE IN mm.

TOLERANCES

2PL ± 0.3

3PL ± 0.15

Third Angle Projection



Inter-Technical Group

SDBL8040-681MHF

Inductor, 680uH, 0.50A, 2.2Ω DCR

DWG. NO.

SDBL8040-681MHF

SCALE: 1/1

SHEET

1 OF 1



REV.
1.1