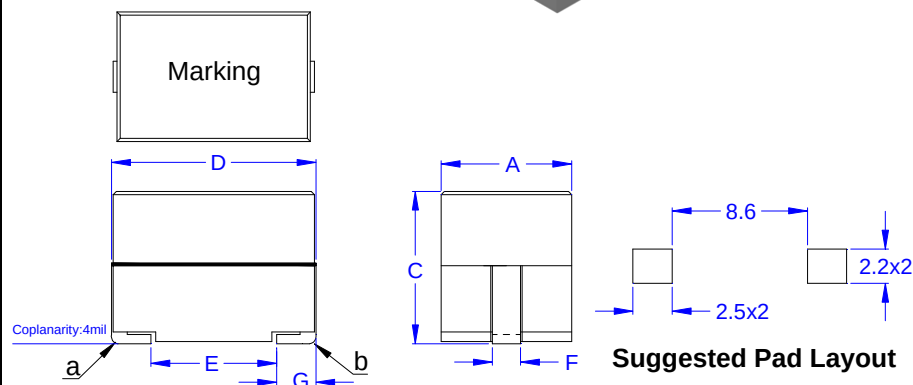
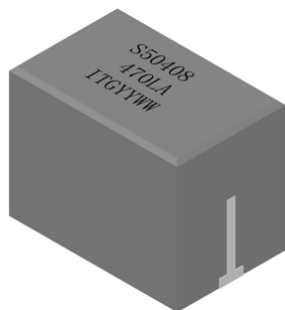


1. Configuration & Dimensions (in mm):

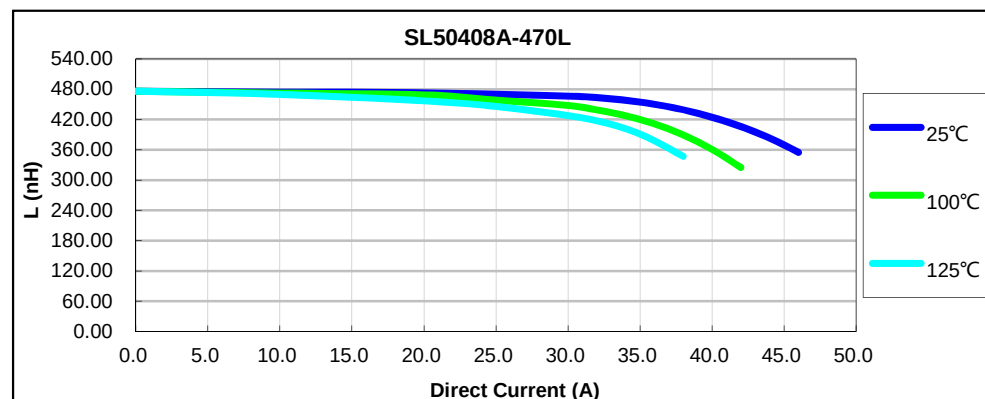


A	8.80	(Max.)	mm
C	10.00	(Max.)	mm
D	12.80	(Max.)	mm
E	8.80	± 0.20	mm
F	1.80	± 0.10	mm
G	2.00	± 0.20	mm

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

- 1> Open Circuit Inductance (OCL): 470nH ± 15% at 100KHz, 0.1Vrms, 0Adc.
- 2> Saturation Point: Isat1=39.0Adc @ 25°C, Isat2=33.0Adc @ 100°C, Isat3=30.0Adc @ 125°C, this DC current that will cause inductance to drop approximately by 20%.
- 3> L @ Isat: 338.0nH Min. at Isat1=39.0A.
- 4> Irms: 35.0A, 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: 2.16mΩ (0.775mΩ typical) MAX 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: 400 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	2015/11/16	New Spec	Eva
B	2016/5/20	Changed Dim.A(was 8.3) and updated pad layout and Isat	DavidWong
C			
D			
E			
F			

UNLESS OTHERWISE SPECIFIED

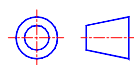
DIMENSIONS ARE IN mm.

TOLERANCES

2PL ± 0.30

3PL ± 0.15

Third Angle Projection



Inter-Technical Group

SL50408A-470L

Power Bead, 470nH, 39.0A, 2.16mΩ DCR

DWG. NO.

SL50408A-470L

SCALE: 1/1

SHEET

REV.
B

1 OF 1