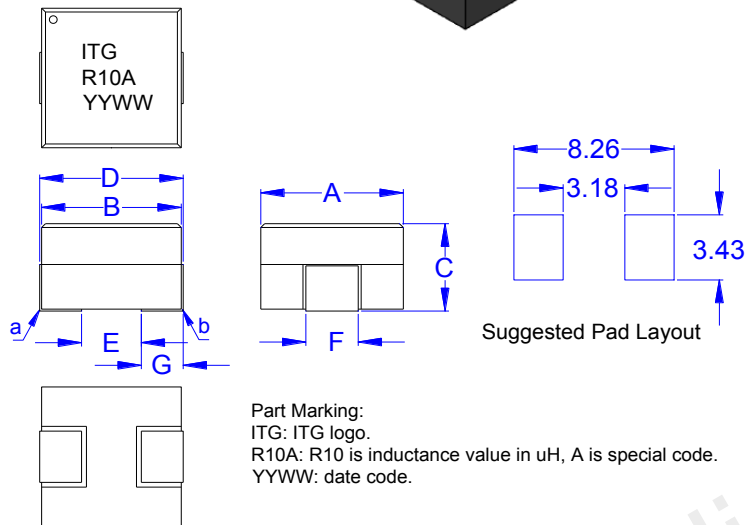
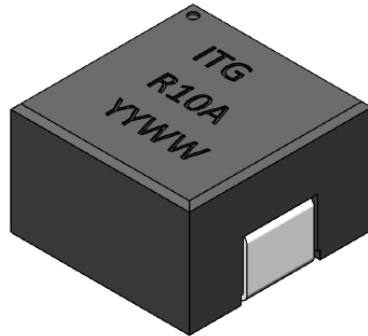


1. Configuration & Dimensions (in mm):

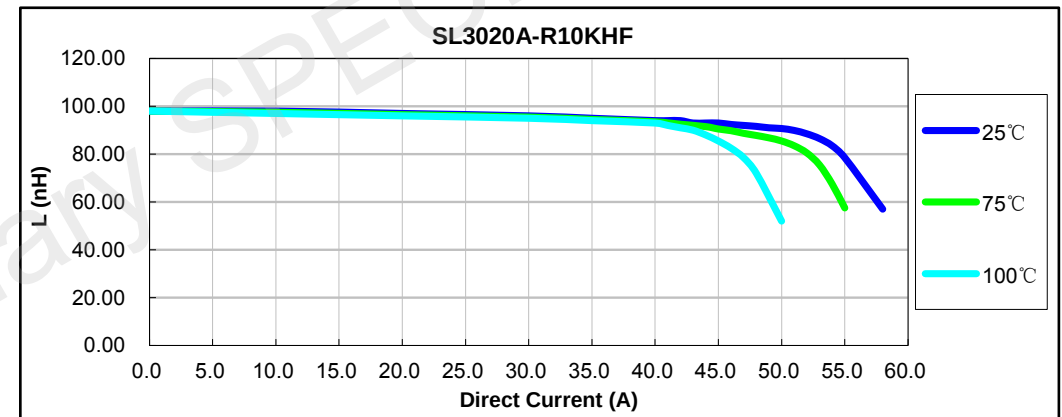


A	7.49	(Max.)	mm
B	7.50	(Max.)	mm
C	4.96	(Max.)	mm
D	7.62	(Max.)	mm
E	3.30	(Ref.)	mm
F	2.67	± 0.25	mm
G	2.16	± 0.35	mm

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

- 1> Open Circuit Inductance (OCL): 100nH ± 10% at 100KHz, 0.1Vrms, 0Adc.
- 2> Saturation Point: Isat1=43.0Adc @ 25°C, Isat2=39.0Adc @ 75°C, Isat3=36.0Adc @ 100°C, this DC current that will cause inductance to drop approximately by 20%.
- 3> L @ Isat: 72.0nH Min. at Isat1=43.0A.
- 4> SRF: 110.0MHz typical.
- 5> Irms: 39.0A, 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.
- 6> DCR: $0.17 \pm 5\% m\Omega$ 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 Qtys: 1000 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
P1	01/29/16	NEW	DavidWong
P2			
P3			
P4			
P5			
P6			

UNLESS OTHERWISE SPECIFIED

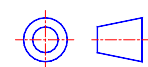
DIMENSIONS ARE IN mm.

TOLERANCES

2PL ± 0.30

3PL ± 0.15

Third Angle Projection



Inter-Technical Group

SL3020A-R10KHF

Power Bead, 100nH, 43.0A, 0.17mΩ DCR

DWG. NO.

SL3020A-R10KHF

SCALE: 1/1

SHEET

1 OF 1



REV.
P1