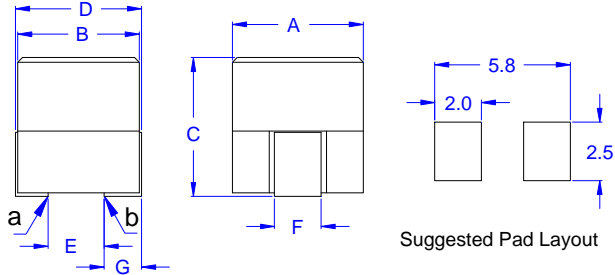
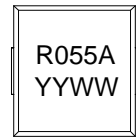


### 1. Configuration & Dimensions (in mm):



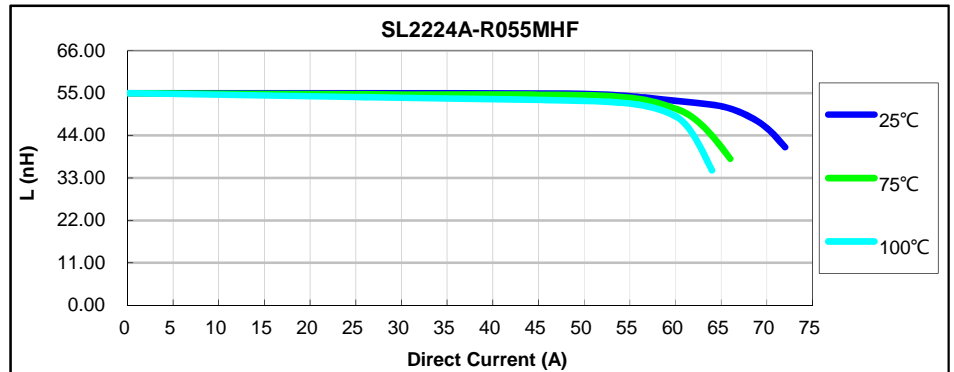
Part Marking:  
 R055A: R055 is inductance value in uH(R:decimal point),  
 A is Special Code.  
 YYWW : Date Code.

A	5.70	Max.	mm
B	5.35	Max.	mm
C	6.00	Max.	mm
D	5.50	Max.	mm
E	2.30	Ref.	mm
F	2.00	± 0.20	mm
G	1.50	± 0.20	mm

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

- 1> Open Circuit Inductance (OCL): 55.0nH ± 20% at 100KHz, 0.1Vrms, 0Adc.
- 2> Saturation Point: Isat1=66.0Adc @ 25°C , Isat2=63.0Adc @ 75°C , Isat3=60.0Adc @ 100°C this DC current that will cause inductance to drop approximately by 20%.
- 3> L @ Isat: 39.0nH Min. at Isat1=66.0A.
- 4> Irms: 50.0A , 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: 0.20 ± 5% mΩ 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: 800 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.0	2018/7/24	New	Eva
B.0	2019/4/2	Change DCR specification to 0.20 mΩ (Was 0.22 mΩ).	Eva
C.0	2019/5/8	Change the DCR test point.	Eva

UNLESS OTHERWISE SPECIFIED

DIMENSIONS ARE IN mm.

TOLERANCES

2PL ± 0.30

3PL ± 0.15

Third Angle Projection



**ITG Electronics, Inc.**

**SL2224A-R055MHF**  
**Power Bead,**  
**55.0nH, 66.0A, 0.20mΩ DCR**



DWG. NO.

**SL2224A-R055MHF**

REV.  
C.0

SCALE: 1/1

SHEET

1 OF 1