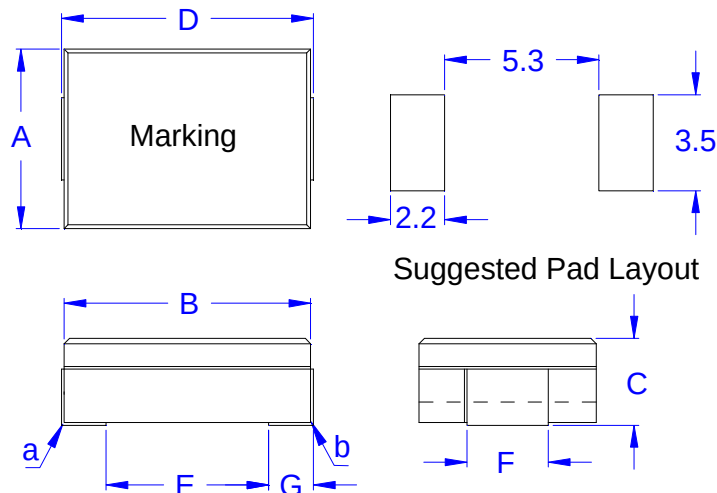
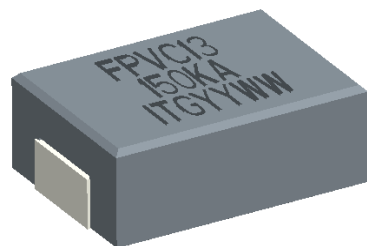


1. Configuration & Dimensions (in mm):



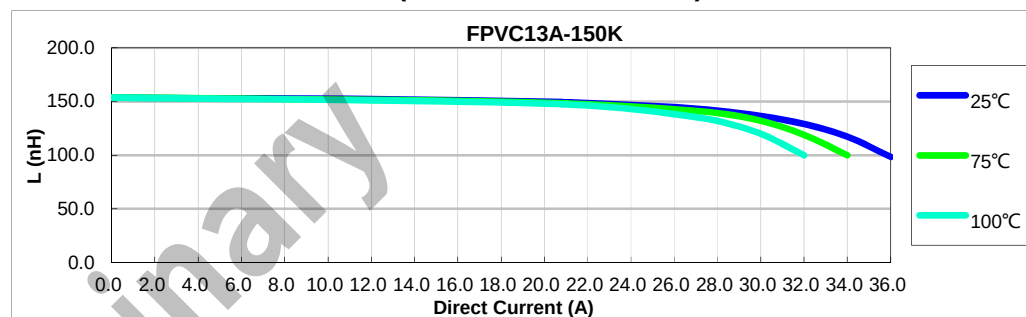
Suggested Pad Layout

A	6.70	(Max.)	mm
B	9.30	(Max.)	mm
C	4.00	(Max.)	mm
D	9.40	(Max.)	mm
E	5.80	(Nom.)	mm
F	3.00	± 0.15	mm
G	1.60	± 0.25	mm

2. Electrical Characteristics:

ITG Part Number	OCL ¹ (nH) ± 10%	DCR ² (mΩ) ± 10%	Isat1 ³ (A) @25°C	Isat2 ³ (A) @75°C	Isat3 ³ (A) @100°C	I _{rms} ⁴ (A) @25°C
FPVC13A-080K	80	0.32	58	54	52	32
FPVC13A-100K	100	0.32	47	44	43	32
FPVC13A-150K	150	0.32	32	29	28	32

3. Inductance Characteristics (Inductance vs. Current):



Notes:

1. Open Circuit Inductance (OCL) test condition: 500KHz, 0.25Vrms, 0Adc, at 25°C.
2. The nominal DCR is measured from point "a" and "a'" to point "b" and "b'", as shown above on the mechanical drawing (Ta=25°C).
3. Isat1, Isat2 & Isat3 : DC current that will cause inductance to drop approximately by 20%.
4. I_{rms}: DC current that causes an approximate temperature rise (ΔT) of 40°C.
5. T & R Qty: 1200 pcs, 13" Reel.
6. Operating Temperature Range -55°C to +130°C.
7. Rohs and HF Compliance Component.

REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
P1	2015/12/10	Preliminary	Eva
P2	2016/3/24	Add FPVC13A-080K and FPVC13A-100K	Eva

UNLESS OTHERWISE SPECIFIED

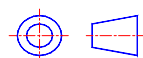
DIMENSIONS ARE IN mm.

TOLERANCES

2PL ± 0.3

3PL ± 0.15

Third Angle Projection



Inter-Technical Group

FPVC13A Series

Inductor, 58.0A, 0.32mohm DCR

DWG. NO.

FPVC13A Series

SCALE: 1/1

SHEET

1 OF 1



REV.
P2