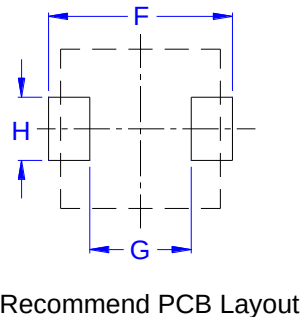
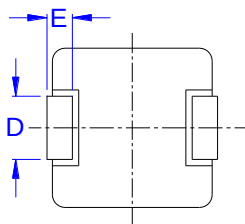
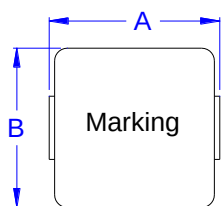
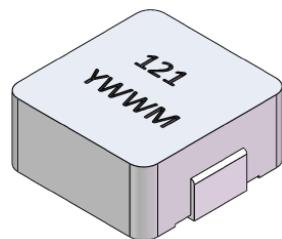


1. Configuration & Dimensions (in mm):



Recommend PCB Layout

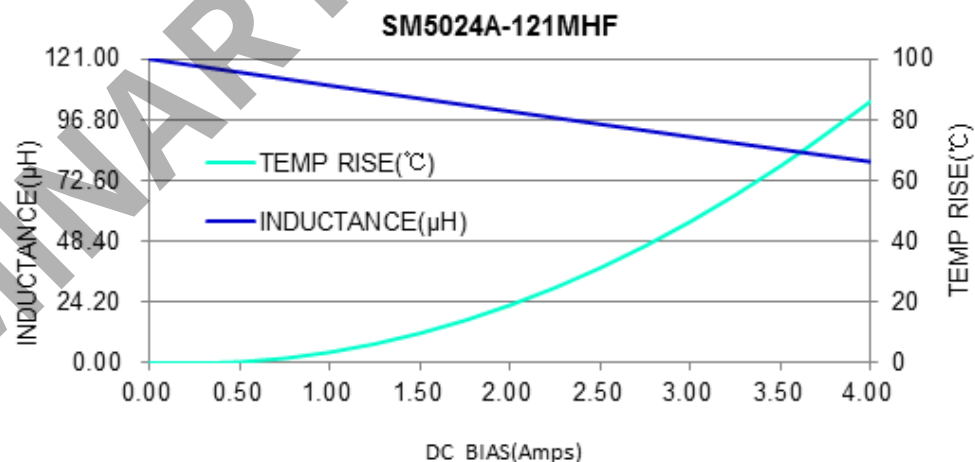
Marking: 121
YWWM 121: inductance value in uH.
YWW: date code(Y:year code,WW is week),M: Special Code.

A	13.45	±	0.35	mm
B	12.60	±	0.30	mm
C	5.80	±	0.20	mm
D	5.00	±	0.50	mm
E	2.00	±	0.50	mm
F	14.50		(Ref.)	mm
G	8.00		(Ref.)	mm
H	5.50		(Ref.)	mm

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

- 1> Open Circuit Inductance (OCL): 120uH±20% at 100KHz,1.0Vrms,0Adc (Ta=25°C).
- 2> DCR: 0.210Ω typical , 0.235Ω Max. (Ta=25°C).
- 3> Isat: 3.20Adc , DC current that will cause inductance to drop approximately by 30%.
- 4> Irms: 2.30Adc , DC current for temperature rise of 40°C(Typ.) without core loss.
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. It is recommended the part temperature not exceed 125°C under worst case operating conditions verified in the end application.

3. Inductance Characteristics (Inductance vs. Current):



Notes:

- 1> T & R Qtys: 500 pcs , 13" Reel.
- 2> Operating Temperature Range -55°C to + 125°C
- 3> Rohs and HF Compliance Component
- 4> Operating frequency up to 5MHz.

REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
P1	2016/6/17	Preliminary	DavidWong

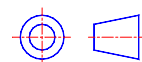
UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm.

TOLERANCES

2PL ± 0.30

3PL ± 0.15

Third Angle Projection



Inter-Technical Group

SM5024A-121MHF

Inductor,120.0uH,3.2A,0.235Ω DCR

DWG. NO.

SM5024A-121MHF

SCALE: 1/1

SHEET

REV.
P1

1 OF 1