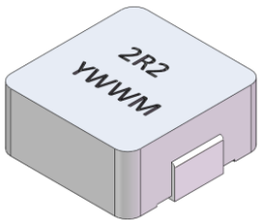
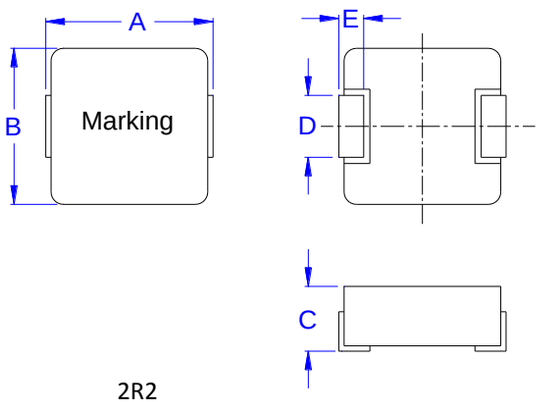
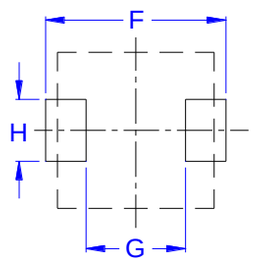
1. Configuration & Dimensions (in mm):







Recommend PCB Layout

Marking: 2R2

2R2:inductance value in uH(R:decimal point).

YWW:date code(Y:year code,ex.:2016 is A,WW is week),M:Special code

A	7.00	±	0.30	mm
B	6.60	±	0.20	mm
C	3.80	±	0.20	mm
D	**1.20**	**±**	**0.30**	mm
E	1.60	±	0.30	mm
F	7.80		(Ref.)	mm
G	2.40		(Ref.)	mm
H	2.20		(Ref.)	mm

2. Electrical Characteristics : (Ta=25℃)

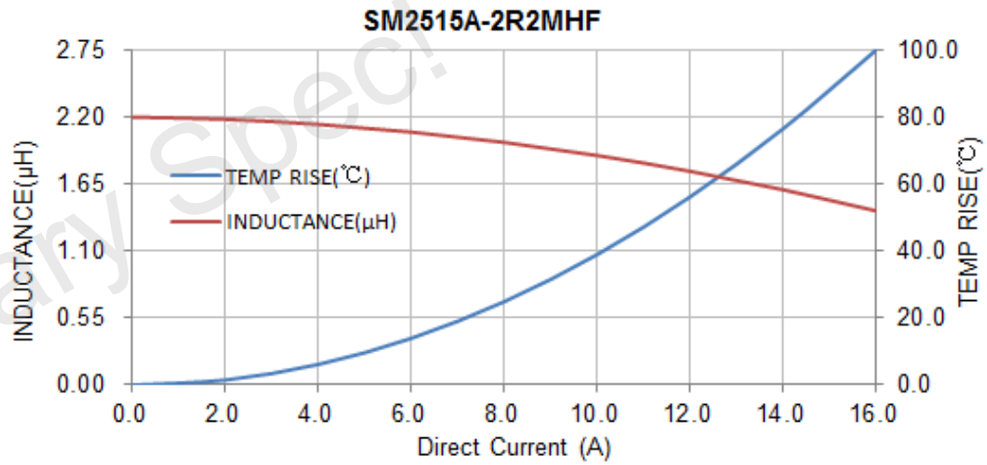
1> Open Circuit Inductance (OCL): 2.20uH±20% at 100KHz,1.0Vrms,0Adc (Ta=25℃).

2> DCR: 11.00mΩ ±7% (Ta=25℃).

3> Isat: 11.0A , DC current that will cause inductance to drops approximately by 30%.

4> Irms: 10.0A , DC current for temperature rise of 40℃(Typ.) without core loss.
Deratingis 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): (Pending)



Notes:

1> T & R Qtys: 1200 pcs , 13" Reel.

2> Operating Temperature Range -55°C to + 125°C

3> Rohs and HF Compliance Component

Preliminary Spec!

REVISION HISTORY

REV	DATE	DESCRIPTION	APPROVED
P1	2016/5/27	NEW	DavidWong
P2			
P3			
P4			
P5			
P6			

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN mm.
TOLERANCES
2PL ± 0.3
3PL ± 0.15

Third Angle Projection

Inter-Technical Group

SM2515B-2R2MHF

Inductor,2.2uH,11.0A,11.0mΩ DCR

DWG. NO. SM2515B-2R2MHF

REV. P1

SCALE: 1/1 | SHEET 1 OF 1

Due to continuous product improvement ,all specifications are subject to change without prior notice. Kindly contact an ITG field application engineer or a sales representative prior to purchase.