

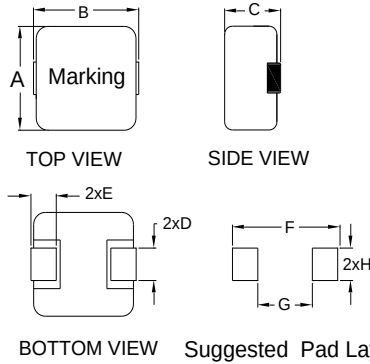


SPECIFICATION FOR APPROVAL



CUSTOMER	*	REV NO	1.0
DESCRIPTION	0.25uH,37.5Amp,2.8mOhm SMD Power Inductor	PAGE NO	1 of 1
PART NO	SMHC2511-R25MHF	DATE	2014.05.13

1.CONFIGURATIONS & DIMENSIONS:



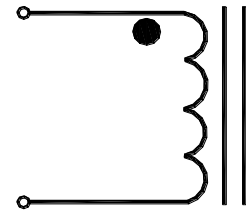
A	6.60	±	0.20	mm
B	7.10	±	0.30	mm
C	3.00		(Max.)	mm
D	3.00	±	0.30	mm
E	1.60	±	0.50	mm
F	7.40		(Ref.)	mm
G	3.70		(Ref.)	mm
H	3.50		(Ref.)	mm

2.ELECTRICAL CHARACTERISTICS (Ta=25°C):

TEST CONDITION :

100KHz/1.0V	L	0.250	uH	±	20%
Ta=25°C	DCR	2.80(2.50Typ.)	mΩ		(Max.)
100KHz/1.0V Isat1=27.0A	L@Isat1	Aprox. 20%	roll off		(Typ.)
100KHz/1.0V Isat2=37.5A	L@Isat2	Aprox. 30%	roll off		(Typ.)
100KHz/1.0V Irms=23.0A	L@Irms	0.223	uH		(Typ.)

3.SCHEMATIC DIAGRAM



Note: 1>. Irms: DC current for an approximate temperature rise of 40°C without core loss ;

Operating Temperature Range: -55°C to + 125°C

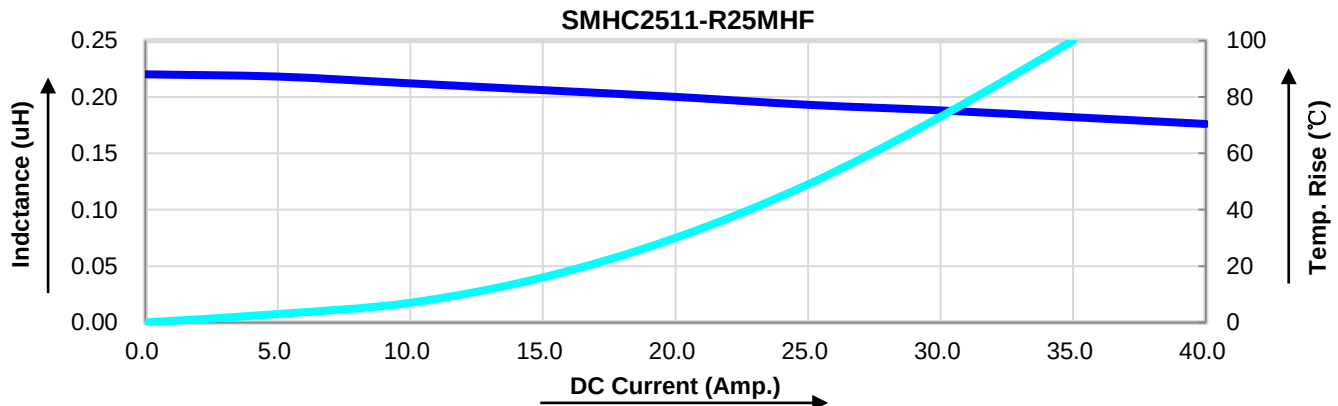
4.TEST INSTRUMENTS

L: WK3260B

DCR:GAIN KAI TA502BCOHM

L@Isat & L@Irms :WK3260B and WK3265B.

5.ELECTRICAL CHARACTERISTICS.



APPROVED BY

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