

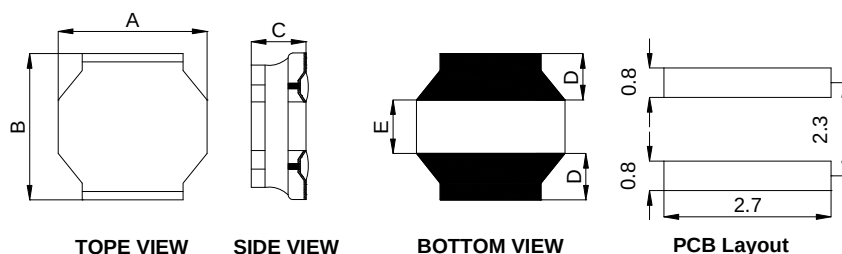


SPECIFICATION FOR APPROVAL



CUSTOMER	*	REV NO	1.0
DESCRIPTION	Power Inductor,0.22uH,3.5A,18.0mΩ DCR	PAGE NO	1 of 4
PART NO	SLNR3312-R22NHF	DATE	2010.06.05

1.CONFIGURATIONS & DIMENSIONS:



A	3.00	±	0.2	mm
B	3.00	±	0.2	mm
C	1.20	±	0.1	mm
D	0.75	±	0.3	mm
E	1.50	±	0.3	mm
F				mm
G				mm
H				mm
I				mm

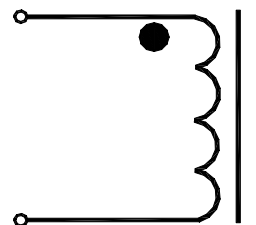
2.ELECTRICAL CHARACTERISTICS:

TEST CONDITION (at 25°C):

100KHz 1.0V	L	0.22	uH	±	30%
at 25°C	DCR	18.00	mΩ	±	30%
100KHz 1.0V Isat=2.6A	L@Isat	0.21	uH		(Typ)
100KHz/1.0V Irms=3.5A	L@Irms	0.20	uH		(Typ)

Notes: 1.Isat:DC current will caused inductance drops in 10%(Typ.)
2.Irms:The DC current indicates that the temperature of coil is increased about 40°C(Typ.); (Ta=25°C);

3.SCHEMATIC DIAGRAM



Operating temperature: -25°C ~ +120°C

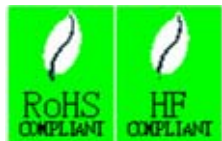
4.TEST INSTRUMENTS

L: WK3260B

DCR:GAIN KAI TA502BCOHM

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

APPROVED BY	CHECKED BY	DRAWN BY
Andrew.Zhu	David.Wang	David.Wang



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5.TEST DATA FOR MECHANICAL

TEST ITEM	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	I mm	J mm
SPEC	3.0 ± 0.2	3.0 ± 0.2	1.2 ± 0.1	0.75 ± 0.3	1.5 ± 0.3					
1	3.01	3.06	1.20	0.75	1.44					
2	3.00	3.03	1.22	0.68	1.38					
3	3.01	3.08	1.21	0.71	1.52					
4	3.02	3.05	1.21	0.66	1.33					
5	3.01	3.09	1.20	0.73	1.35					
6										
7										
8										
9										
10										
AVERAGE	3.010	3.062	1.208	0.706	1.404					

REMARK:

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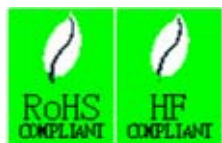
Andrew.Zhu

CHECKED BY

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David.Wang



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6.TEST DATA FOR ELECTRICAL

TEST ITEM	L uH	DCR mΩ	L@Isat uH	L@Irms uH					
CONDITION	100KHz/1.0 V	at 25°C	100KHz 1.0V Isat=2.6A	100KHz/1.0V Irms=3.5A					
SPEC	0.22 ± 20%	18.0 ± 30%	0.21 (Typ)	0.20 (Typ)					
1	0.226	18.14	0.219	0.21					
2	0.230	18.02	0.221	0.22					
3	0.230	17.83	0.221	0.22					
4	0.229	18.09	0.221	0.22					
5	0.228	17.82	0.219	0.22					
6									
7									
8									
9									
10									
AVERAGE	0.229	17.980	0.220	0.217					

REMARK:

APPROVED BY Andrew.Zhu	CHECKED BY David.Wang	DRAWN BY David.Wang
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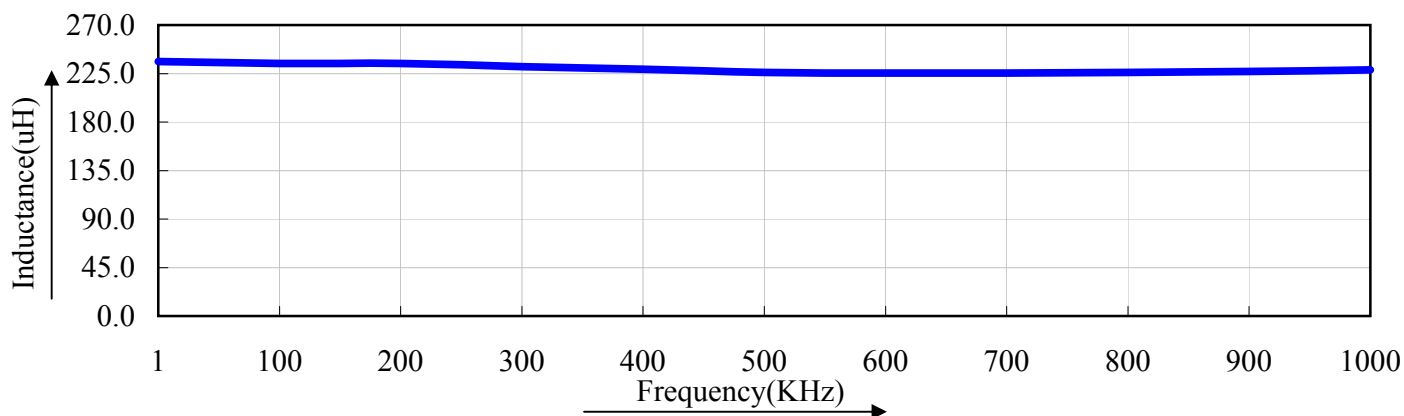
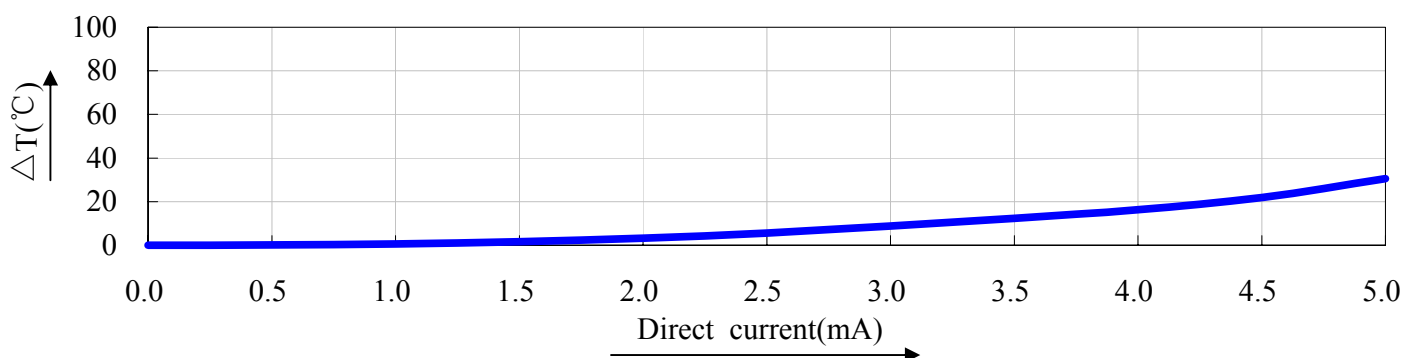
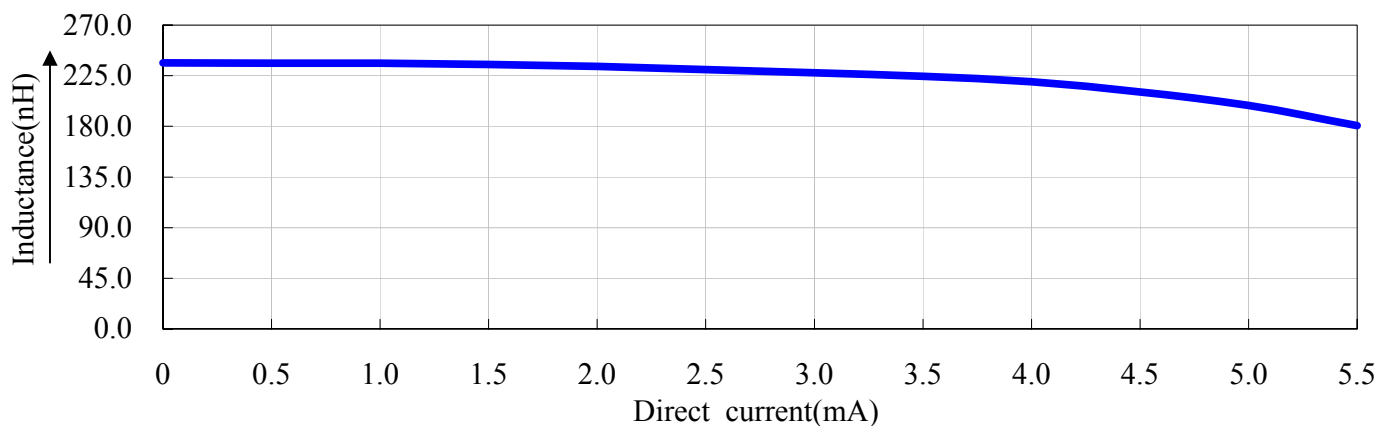


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7.ELECTRIC CHARACTERISTICS.



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