

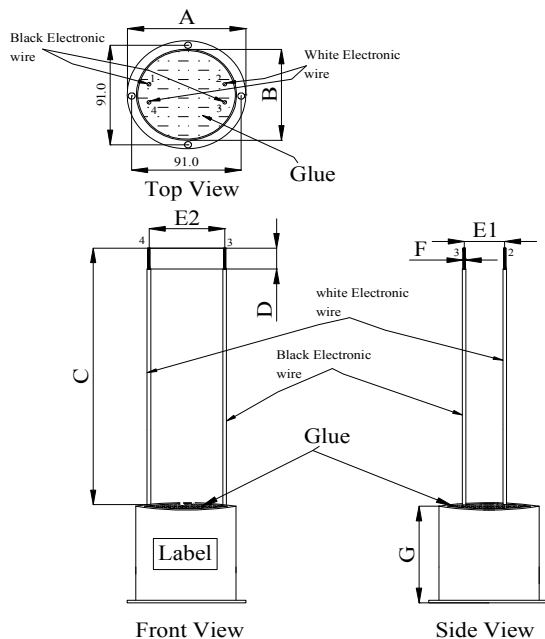


SPECIFICATION FOR APPROVAL



CUSTOMER	*	REV NO	1.0
DESCRIPTION	Inductor,1.50mH,12.0A,70.0mΩ DCR	PAGE NO	1 of 4
PART NO	L30649-2P	DATE	2012.11.08

1.CONFIGURATIONS & DIMENSIONS:



A	104.0	(Max.)	mm
B	83.0	(Max.)	mm
C	300.0	± 10.0	mm
D	12.0	± 3.0	mm
E1	20.0	(Ref.)	mm
E2	65.0	(Max.)	mm
F	φ 4.3	(Max.)	mm
G	94.0	(Max.)	mm
H			mm

Note: Marking: L30649-2P

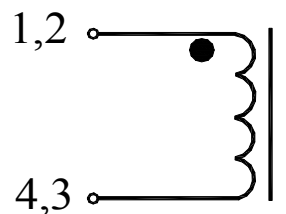
YYWW K or N

YY:Year;WW:Week. K:KDM core;N:NCD core ;

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

TEST	CONDITION				
1KHz 1.0V	L(1,2-4,3)	1.50	mH	±	15%
Ta=25°C	DCR(1,2-4,3)	70.00	mΩ		(Max.)
1KHz 1.0V Isat =7.0A	L@Isat	1.10	mH		(Typical)
1KHz 1.0V Irms=12.0A	L@Irms	0.85	mH		(Typical)
Notes:	1. Isat: DC current that will cause inductance to drop approx.30%(Typ.) 2.Irms:DC current will caused an approx. temperature of 10°C rise(Typ.)				

3.SCHEMATIC DIAGRAM



Note:

- (1).Wire PEWF/U(155°C) Φ2.0mm*1P
(2).74TS(Ref) C.W.

Operating temperature: -55°C ~+130°C

4.TEST INSTRUMENTS

L:WK3260B.

DCR:TH2512B

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

APPROVED BY	CHECKED BY	DRAWN BY
Richard Wen	Royi Luo	Anthony Yan



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5. TEST DATA FOR MECHANICAL

TEST ITEM	A mm	B mm	C mm	D mm	E1 mm	E2 mm	F mm	G mm	H mm	I mm
SPEC	104.0 (Max.)	83.0 (Max.)	300.0 ± 10.0	12.0 ± 3.0	20.0 (Ref.)	65.000 (Max.)	φ 4.3 (Max.)	94.0 (Max.)		
1	101.47	80.24	305.16	12.27	18.16	64.27	3.36	90.86		
2	101.36	80.21	302.63	13.16	21.37	67.56	3.20	91.02		
3										
4										
5										
6										
7										
8										
9										
10										
AVERAGE	101.415	80.225	303.895	12.715	19.765	65.915	3.280	90.940		

REMARK:

APPROVED BY Richard Wen	CHECKED BY Royi Luo	DRAWN BY Anthony Yan
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6. TEST DATA FOR ELECTRICAL

TEST ITEM	L(1,2-4,3) mH	DCR(1,2-4,3) mΩ	L@Isat mH	L@Irms mH			
CON.	1KHz 1.0V	Ta=25℃	1KHz 1.0V Isat =7.0A	1KHz 1.0V Irms=12.0A			
SPEC	1.50 ± 15%	70.00 (Max.)	1.10 (Typical)	0.850 (Typical)			
1	1.51	53.56	1.08	0.851			
2	1.53	53.16	1.09	0.862			
3							
4							
5							
6							
7							
8							
9							
10							
AVERAGE	1.520	53.360	1.087	0.856			

REMARK:

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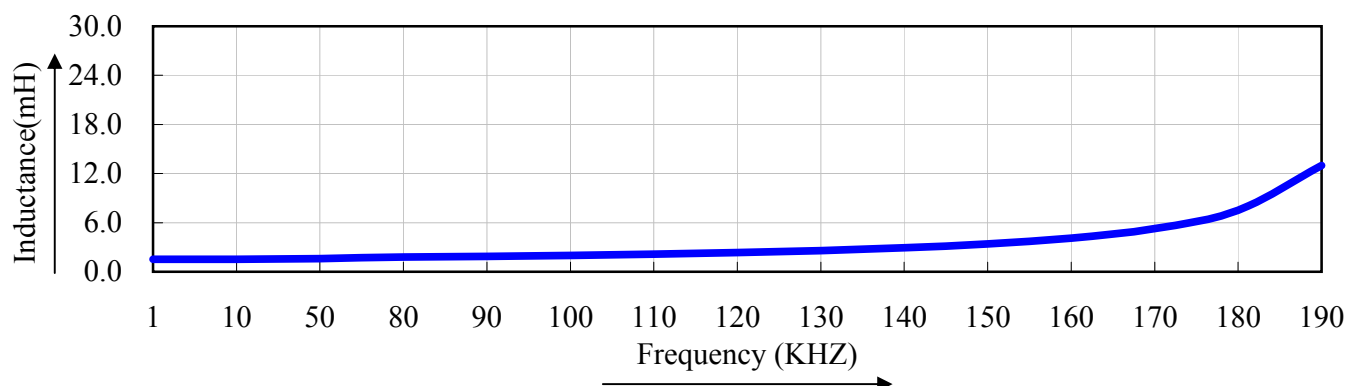
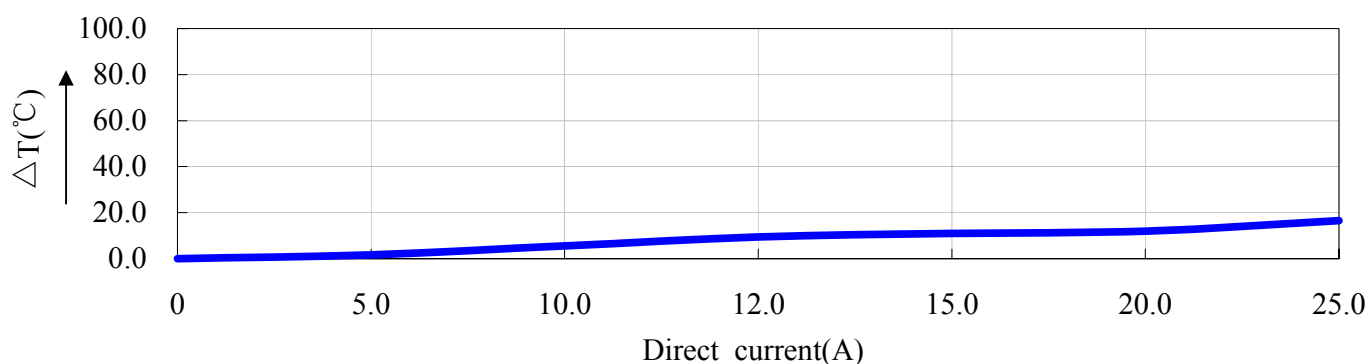
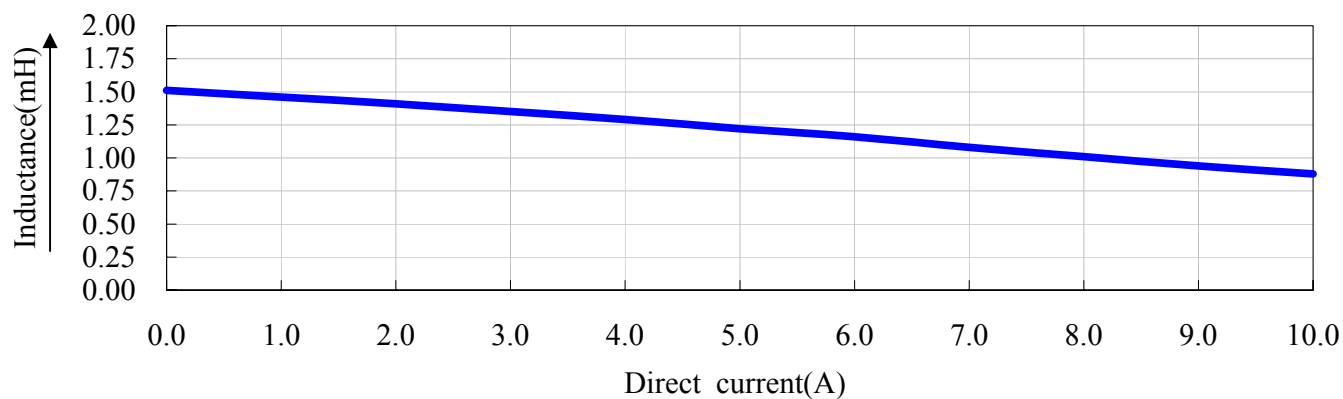


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7.ELECTRIC CHARACTERISTICS.



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