

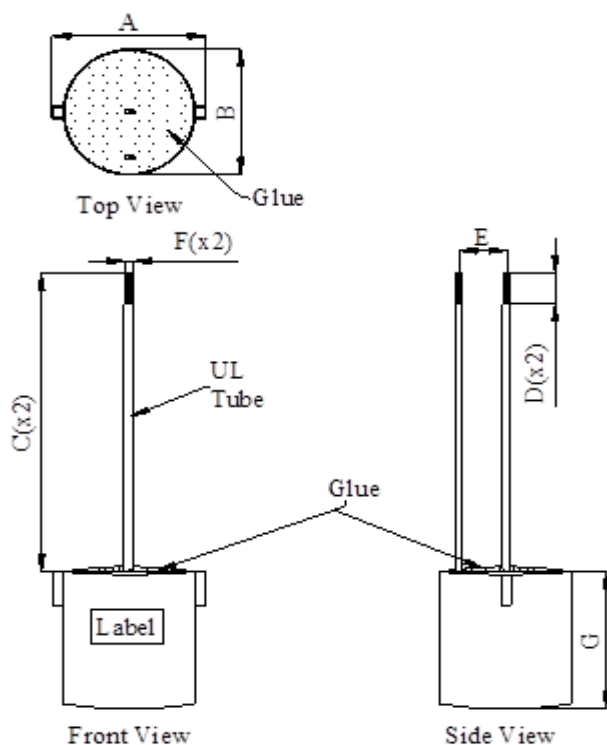


SPECIFICATION FOR APPROVAL



CUSTOMER	*	REV NO	1.0
DESCRIPTION	Inductor, 0.78 mH, 40.0A, 35.0mΩ DCR	PAGE NO	1 of 4
PART NO	L301055-1P	DATE	2013.10.18

1. CONFIGURATIONS & DIMENSIONS:



A	89.0	(Max.)	mm
B	75.0	(Max.)	mm
C	290.0	± 10.0	mm
D	10.0	(Ref.)	mm
E	28.0	(Ref.)	mm
F	4.2	(Max.)	mm
G	70.0	(Max.)	mm
H			mm
I			mm

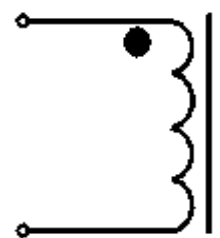
Note: 1>. Marking **L301055-1P**
YY WW YY:Year;WW:Week.

2>. Make a hole with 6.50 mm diameter on the bottom of the cup.

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

TEST	CONDITION				
10KHz/0.25V	L	0.780	mH	±	10%
Ta=25°C	DCR	35.000	mΩ		(Max.)
10KHz/0.25V Isat1 =23.0A	L@Isat1	0.570	mH		(Typical)
10KHz/0.25V Isat2 =40.0A	L@Isat2	0.400	mH		(Typical)
10KHz/0.25V Irms=35.0A	L@Irms	0.435	mH		(Typical)

3. SCHEMATIC DIAGRAM



Note:

- (1). Wire PEWF/U (155°C) & HAI/U(200°C) ϕ 1.80mm*2P
- (2). 43.0 Ts (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	E mm	F mm	G mm	H mm	I mm	H mm
SPEC	89.0 (Max.)	75.0 (Max.)	290.0 ± 10.0	10.0 (Ref.)	28.0 (Ref.)	4.2 (Max.)	70.0 (Max.)			
1	85.89	73.32	292.16	10.11	28.51	3.85	67.27			
2										
3										
4										
5										
6										
7										
8										
9										
10										
AVERAGE	85.890	73.320	292.160	10.110	28.510	3.850	67.270			

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 mH	DCR mΩ	L@Isat1 mH	L@Isat2 mH	L@Irms mH		
CON.	10KHz/0.25 V	Ta=25℃	10KHz/0.25V Isat1 =23.0A	10KHz/0.25V Isat2 =40.0A	10KHz/0.25V Irms=35.0A		
SPEC	0.780 ± 10%	35.000 (Max.)	0.570 (Typical)	0.400 (Typical)	0.435 (Typical)		
1	775.710	25.130	0.5657	380.486	430.13		
2							
3							
4							
5							
6							
7							
8							
9							
10							
AVERAGE	775.7100	25.1300	0.5657	380.4858	430.1312		

REMARK:

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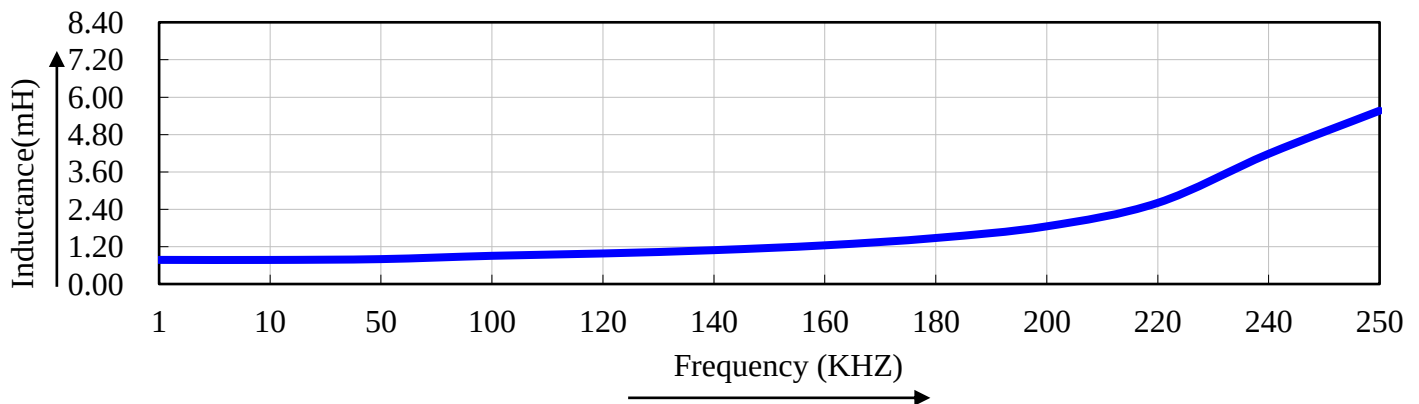
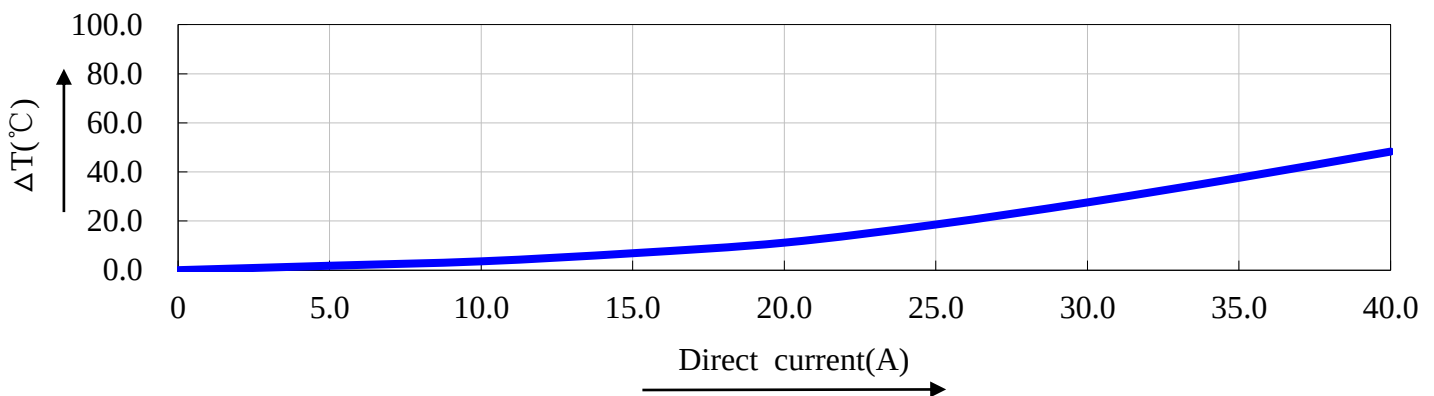
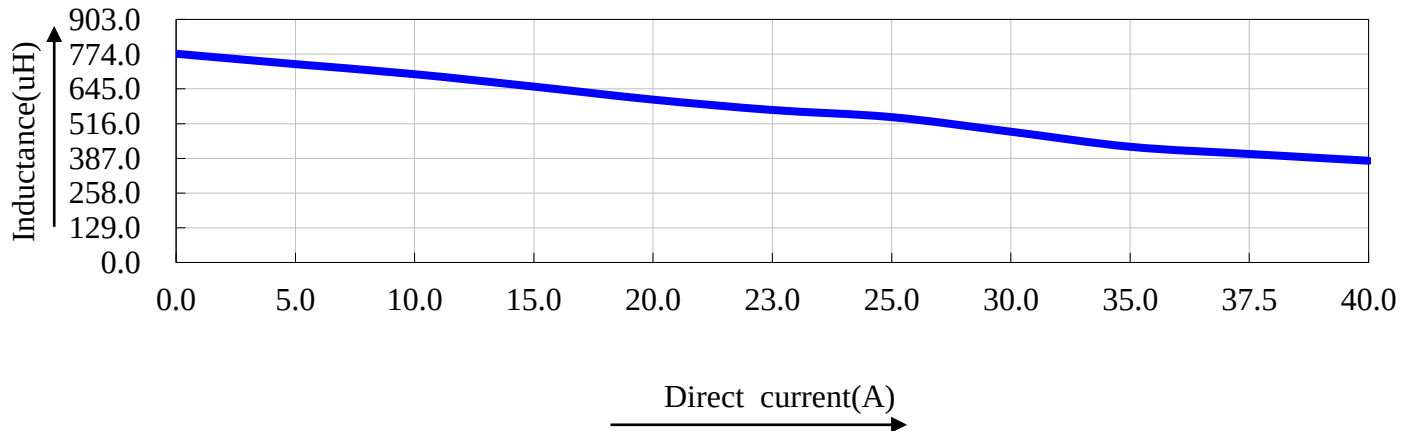


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7.ELECTRIC CHARACTERISTICS.



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