

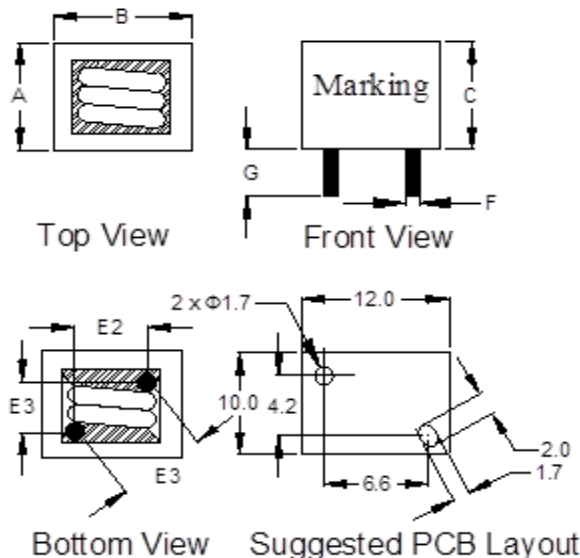


SPECIFICATION FOR APPROVAL



CUSTOMER	*	REV NO	1.0
DESCRIPTION	Inductor, 0.30uH , 50A , 0.65mΩ DCR	PAGE NO	1 of 4
PART NO	LR4332A-R30LHF	DATE	2013.12.24

1.CONFIGURATIONS & DIMENSIONS:



A	9.5	(Max.)	mm
B	11.5	(Max.)	mm
C	8.5	(Max.)	mm
D			mm
E1	4.2	± 0.5	mm
E2	6.6	± 0.5	mm
E3	7.8	± 0.5	mm
F	§ 1.4	± 0.10	mm
G	3.5	± 0.5	mm

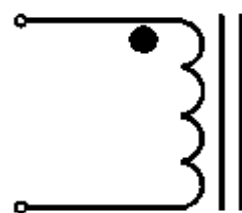
Note: Marking ITG R30A YY:Year;WW:Week.
YY WW

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

TEST	CONDITION				
100KHZ / 1.0V	L	300.0	nH	±	15%
Ta=25°C	DCR	0.65	mΩ	±	8%
100KHZ/1.0V Isat=50.0A	L@Isat	277.0	nH		(Typ.)
100KHZ/1.0V Irms=43.0A	L@Irms	282.0	nH		(Typ.)

Notes: 1. Isat: DC current that causes inductance to drop approximately 10% (Typ.) from its initial value without DC current;
2. Irms: DC current that causes an approximate temperature(ΔT) of 40°C.

3.SCHEMATIC DIAGRAM



Note:
1>. Wire SAI/U or PEW/U (155°C) Φ1.40mm
2>. 2.5TS(Ref) C.CW

Operating temperature: -40°C ~ +125°C

4.TEST INSTRUMENTS

L : WK3260B

DCR:TH2512B

L@Isat :WK3260B and WK3265B.

APPROVED BY Richard Wen	CHECKED BY Royi Luo	DRAWN BY Anthony Yan
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PART NO	LR4332A-R30LHF					DATE	2013.12.24			
5.TEST DATA FOR MECHANICAL										
TEST	A	B	C	D	E1	E2	E3	F	G	H
ITEM	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
SPEC	9.5	11.5	8.5		4.2	6.6	7.8	φ 1.4	3.5	
	(Max.)	(Max.)	(Max.)		±	±	±	±	±	
					0.5	0.5	0.5	0.10	0.5	
1	8.99	11.05	8.25		4.23	6.61	7.86	1.36	3.50	
2	9.03	11.08	8.26		4.25	6.58	7.80	1.38	3.48	
3	9.05	11.09	8.28		4.28	6.50	7.82	1.35	3.56	
4	9.02	11.07	8.26		4.32	6.67	7.78	1.36	3.51	
5	9.05	11.05	8.22		4.20	6.53	7.86	1.37	3.46	
6										
7										
8										
9										
10										
AVERAGE	9.03	11.07	8.25		4.26	6.58	7.82	1.36	3.50	
REMARK:										
APPROVED BY				CHECKED BY				DRAWN BY		
Richard Wen				Roi Luo				Anthony Yan		



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PART NO	LR4332A-R30LHF	DATE	2013.12.24

6.TEST DATA FOR ELECTRICAL

TEST ITEM	L nH	DCR mΩ	L@Isat nH	L@Irms nH			
CONDITION	100KHZ / 1.0V	at 25℃	100KHZ/1.0V Isat=50.0A	100KHZ/1.0V Irms=43.0A			
SPEC	300.00 ± 15%	0.650 ± 8%	277.00 (Typ.)	282.00 (Typ.)			
1	301.05	0.648	278.80	283.40			
2	301.05	0.652	278.80	283.50			
3	295.95	0.655	274.70	279.50			
4	305.50	0.658	280.05	286.20			
5	321.00	0.657	291.95	298.80			
6							
7							
8							
9							
10							
AVERAGE	304.910	0.654	280.860	286.280			

REMARK:

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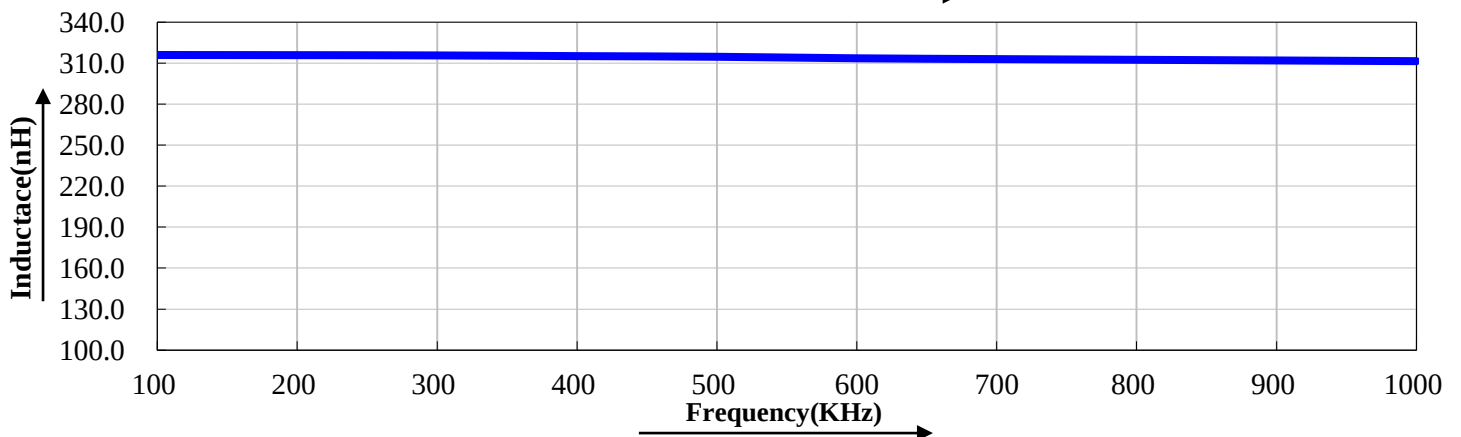
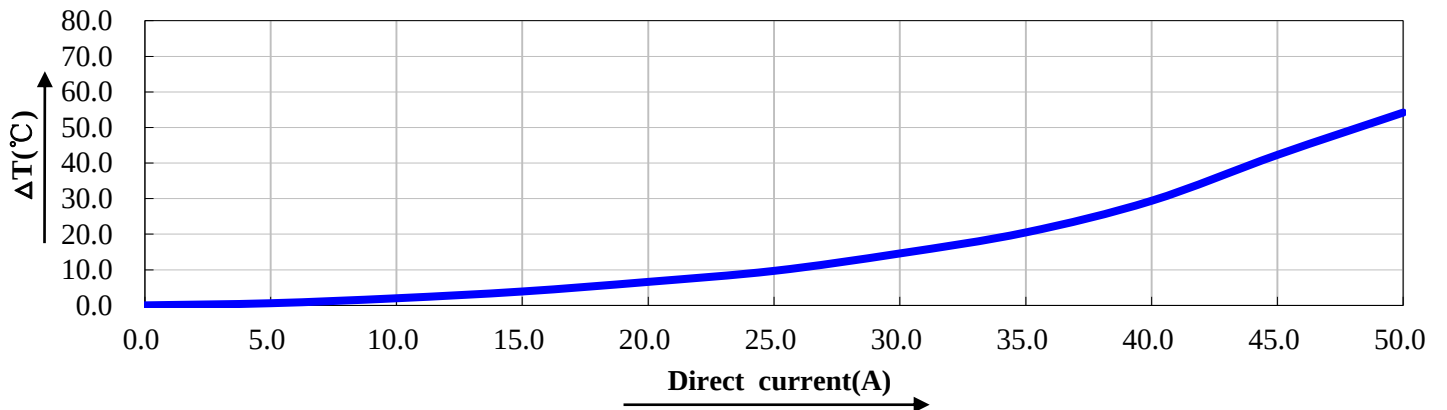
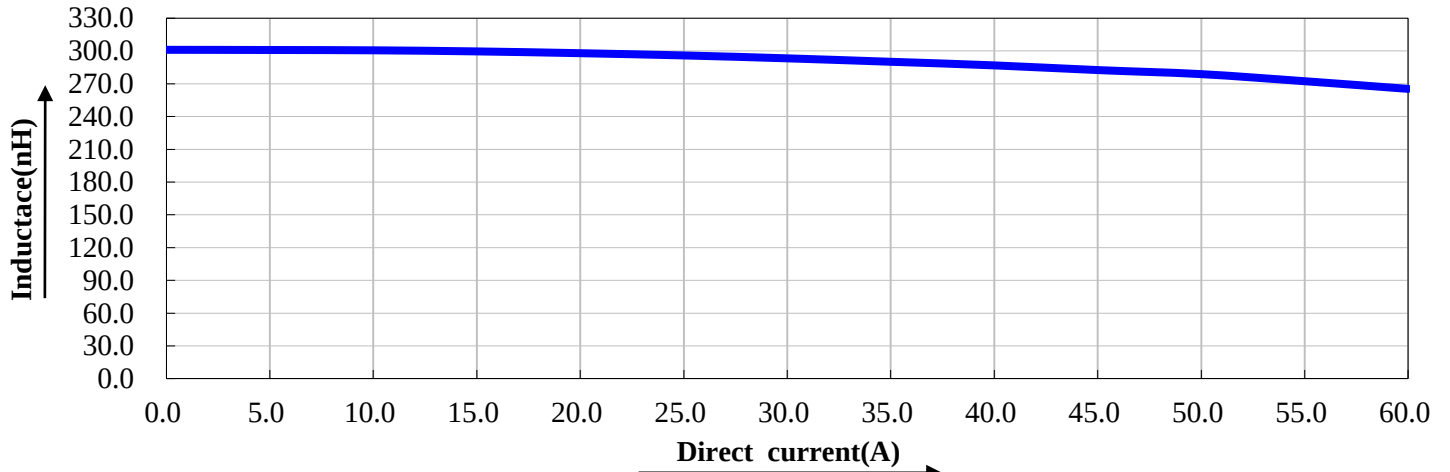


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7. ELECTRICAL CHARACTERISTICS.



APPROVED BY

Richard Wen

CHECKED BY

Royi Luo

DRAWN BY

Anthony Yan