

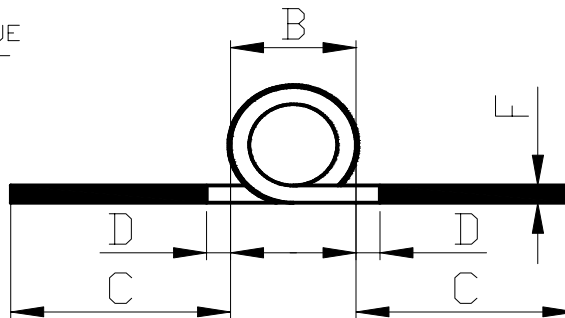
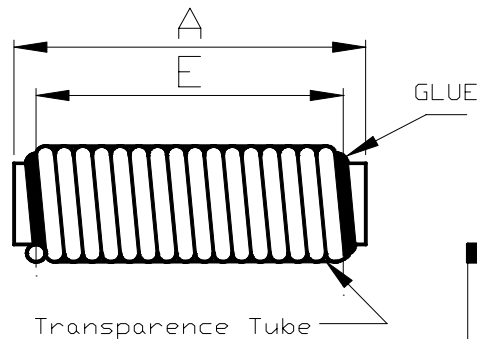


SPECIFICATION FOR APPROVAL



CUSTOMER.:	*	REV.:	1.0
DESCRIPTION.:	Choke Coil Inductor	PAGE.:	1 of 4
ITG PART No.:	AKU1416200160F-3R7MU	DATE.:	2009.02.26

1.CONFIGURATIONS & DIMENSIONS:



Item	Spec
A	16.0±0.5
B	7.0 MAX
C	10.0±1.0
D	1.5 MAX
E	14.5±1.0
F	Φ0.85 REF
G	
H	
I	
J	
K	

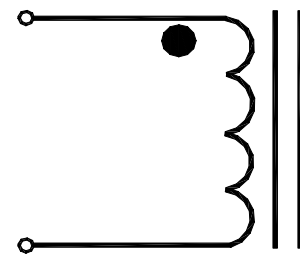
2.ELECTRICAL CHARACTERISTICS:

TEST	CONDITION				
1KHz 0.25V (at 25°C)	L	3.70	uH	±	20%
1KHz 0.25V (at 25°C) Isat=10A	L@Isat	2.95	uH		(REF)
Ta=25°C	DCR	10.50	mΩ		(MAX)

Isat: This DC current indicates that the inductance drops 10% (typ.)

Operating temperature: -25°C ~ +115°C

3.SCHEMATIC DIAGRAM



Note: 1. Φ0.85mm 1HAI/U 200°C

2. 16TS C.W (FIX)

4.TEST INSTRUMENTS

L:WK3260A.

DCR:Gain Kai Ta 502BCOHM.

L@Isat:WK3260A&WK3265B.

APPROVED BY	CHECKED BY	DRAWN BY
Royi Luo	Keith Lei	Gokoloto He



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5.TEST DATA FOR MECHANICAL

TEST ITEM	A mm	B mm	C mm	D mm	E mm	F mm				
SPEC	16.0	7.0	10.0	1.5	14.5	Φ0.85				
	±		±		±					
	0.5	MAX	1.0	MAX	1.0	REF				
1	15.99	6.39	10.11	0.00	14.42	0.84				
2	15.98	6.38	10.09	0.74	14.54	0.85				
3	16.01	6.40	10.12	0.00	14.49	0.84				
4	16.02	6.38	10.10	0.00	14.50	0.84				
5	15.99	6.39	10.13	0.39	14.48	0.83				
6										
7										
8										
9										
10										
AVERAGE	15.998	6.388	10.110	0.226	14.486	0.840				

REMARK:

APPROVED BY

Royi Luo

CHECKED BY

Keith Lei

DRAWN BY

Gokoloto He



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6.TEST DATA FOR ELECTRICAL

TEST ITEM	L uH	L@Isat uH	DCR mΩ			
CONDITION	1KHz 0.25V	1KHz 0.25V Isat=8A	25°C			
SPEC	3.7 ± 20%	2.95 (REF)	10.50 (MAX)			
1	3.66	3.10	8.672			
2	3.65	3.10	8.806			
3	3.66	3.15	8.660			
4	3.65	3.14	8.625			
5	3.60	3.10	8.697			
6						
7						
8						
9						
10						
AVERAGE	3.644	3.118	8.692			

REMARK:

APPROVED BY Roi Luo	CHECKED BY Keith Lei	DRAWN BY Gokoloto He
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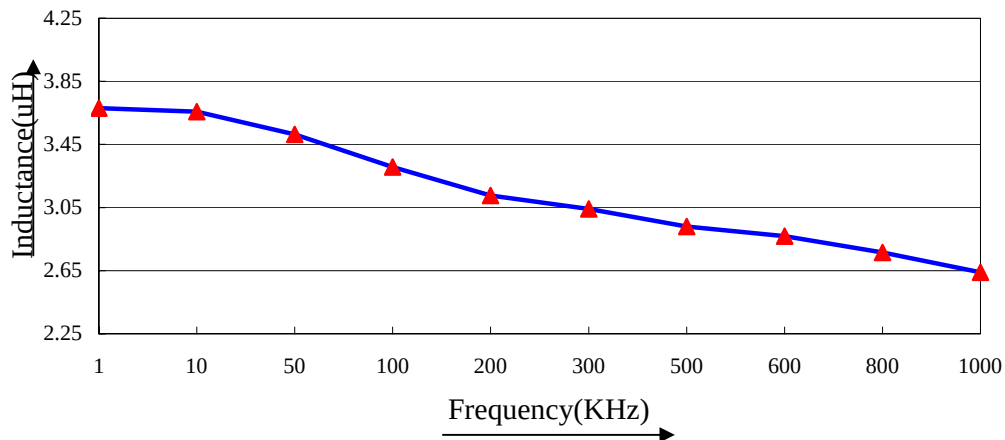
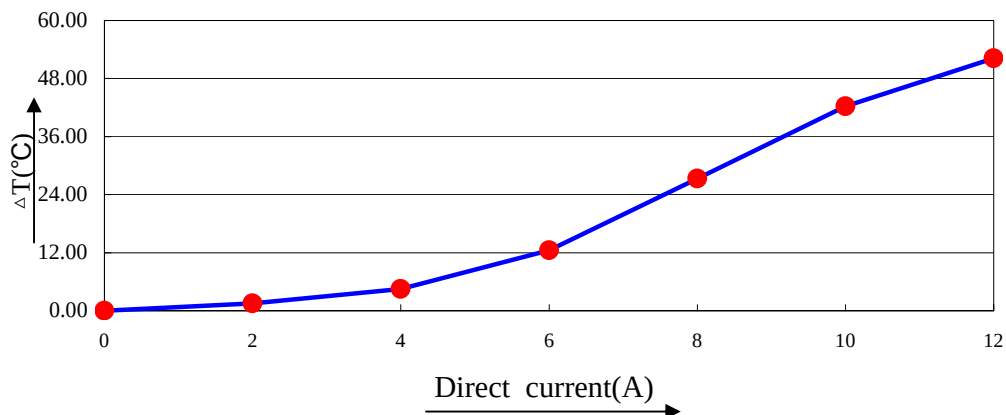
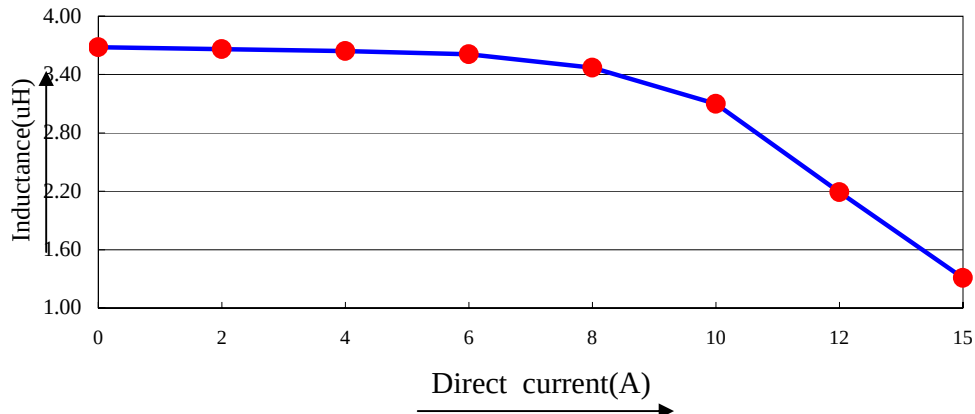


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8.ELECTRICAL CHARACTERISTICS. (At 25°C)



APPROVED BY

Royi Luo

CHECKED BY

Keith Lei

DRAWN BY

Gokoloto He