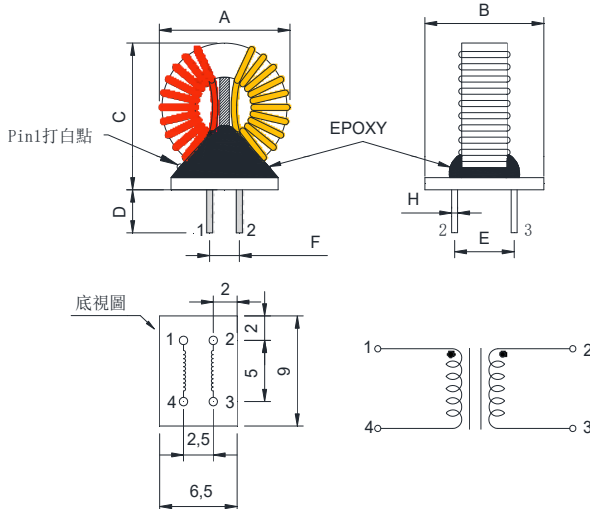


SPECIFICATION FOR APPROVAL

CUSTOMER		CUST P/N.																									
ITEM	Toroidal Coil Inductors	Description	TM090503N-102-B																								
PART NO.	302-91938	DATE	2017.01.12																								
(1) DIMENSION(UNIT:mm)		<table><tr><td>A</td><td>12.0 (Max)</td><td>mm</td></tr><tr><td>B</td><td>10.0 (Max)</td><td>mm</td></tr><tr><td>C</td><td>11.5(Max)</td><td>mm</td></tr><tr><td>D</td><td>3.5 ± 0.5</td><td>mm</td></tr><tr><td>E</td><td>5.0± 0.5</td><td>mm</td></tr><tr><td>F</td><td>2.5± 0.5</td><td>mm</td></tr><tr><td>H</td><td>Ø0.4± 0.1</td><td>mm</td></tr><tr><td>I</td><td></td><td>mm</td></tr></table>		A	12.0 (Max)	mm	B	10.0 (Max)	mm	C	11.5(Max)	mm	D	3.5 ± 0.5	mm	E	5.0± 0.5	mm	F	2.5± 0.5	mm	H	Ø0.4± 0.1	mm	I		mm
A	12.0 (Max)	mm																									
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H	Ø0.4± 0.1	mm																									
I		mm																									
																											
(2)ELECTRICAL REQUIREMENTS																											
TEST CONDITION		FREQUENCY	(3) TEST INSTRUMENTS																								
		VOLTAGE		LCR-METER:																							
L _{1~4=2~3}	1.0mH(Min)	1KHz 0.05V	HP-4291A																								
			V HP4263B																								
DCR _{1~4=2~3}	50.0mΩ (Max)	KHz V	DC RESISTANCE METER:																								
			V HP4263B																								
IDC	2.0A (Max)	1KHz 0.05V	CURRENT SOURCE:																								
			V TH2816B+1320																								
		KHz V	DC RESISTANCE METER:																								
			HP4263B																								
		KHz V	CURRENT SOURCE:																								
			TH2816B+1320																								
(4)TURN: 19TS(REF)																											
(5)MATERIAL LIST																											
ITEM	MATERIAL	DESCRIPTION																									
1	CORE																										
2	WIRE																										
3	隔板																										
4	底板																										
5	EPOXY																										
6	VARNISH																										
REMARK:		APPROVED	CHECKED DRAWN BY																								
		姜杰文	姜法寶 王艷																								

MINGSTAR ELECTRONIC CORP.

TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER:					Part No.	302-91938		Test Q'ty:	10		PCS
CUST P/N.					Description:	TM090503N-102-B			Date:	2017.01.12	
MEASURE ITEM	L _{1~4} (mH)	L _{2~3} (mH)	DCR _{1~4} (mΩ)	DCR _{2~3} (mΩ)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	
SPECIFIC	1.0	1.0	50.0	50.0	12.0	10.0	11.5	3.5	5.0	2.5	
SUGGEST	Min	Min	Max	Max	Max	Max	Max	±0.5	±0.5	±0.5	
1	1.80	1.80	38.5	38.5	10.53	9.02	10.64	3.79	5.15	2.47	
2	2.11	2.11	39.0	39.0	10.48	9.02	10.38	3.66	4.96	2.60	
3	1.95	1.95	37.5	37.5	10.58	8.94	10.59	3.68	4.84	2.54	
4	1.82	1.82	38.5	38.5	10.43	8.93	10.51	6.79	5.13	2.62	
5	1.96	1.96	37.5	37.5	10.51	8.99	10.47	6.72	5	2.67	
6	1.95	1.95	38.6	38.6	10.47	9.00	10.53	6.69	4.93	2.57	
7	1.94	1.94	38.9	38.9	10.45	9.02	10.46	6.67	4.99	2.61	
8	2.00	2.00	39.4	39.4	10.61	9.00	10.62	6.71	5.01	2.59	
9	1.90	1.90	39.5	39.5	10.54	9.04	10.51	6.68	5.11	2.63	
10	1.89	1.89	39.6	39.6	10.47	8.96	10.63	6.77	5.07	2.65	
X											
R											
TEST CONDITION	INSTRUMENTS:		WK3260B					AT:	1KHz		0.05V
	ENVIORMENTS:		TEMP:25 degree HUMDITY :65%								
	STORAGE TEMPERATURE RANGE				-40℃~+85℃						
	OPERATING TEMPERATURE RANGE				-40℃~+105℃						
REMARK:						APPROVED		CHECKED		DRAWN BY	
						姜杰文		姜法寶		王艷	

MINGSTAR ELECTRONIC CORP.