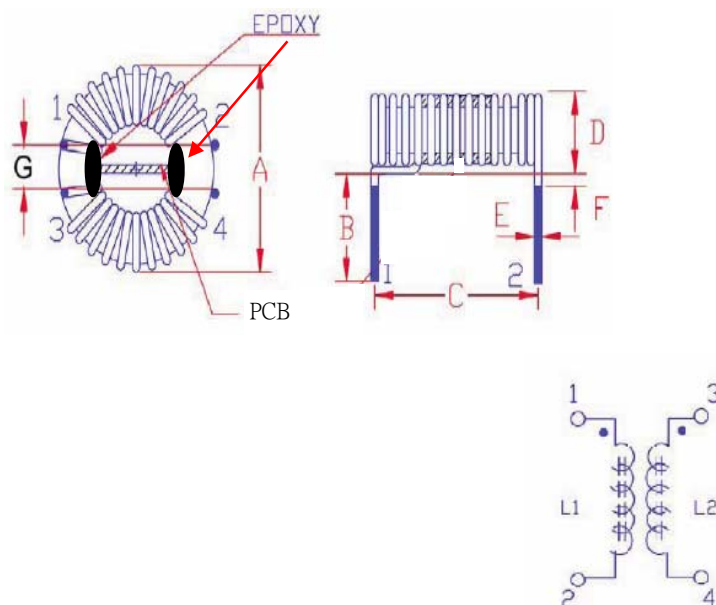


SPECIFICATION FOR APPROVAL

CUSTOMER		CUST P/N.	
ITEM	Toroidal Coil Inductors	Description	TM100605N-451-P
PART NO.	302-91948	DATE	2022.5.12

(1) DIMENSION(UNIT:mm)



A	13.0(Max)	mm
B	3.5± 0.5	mm
C	8.0± 1.5	mm
D	8.0Max)	mm
E	0.6± 0.1	mm
F	0.2-2.2	mm
G	5.0± 1.5	mm

(2) ELECTRICAL REQUIREMENTS

TEST CONDITION		FREQUENCY	(3) TEST INSTRUMENTS
		VOLTAGE	LCR-METER:
L _{1~2}	450uH(MIN)	1KHz 0.25V	HP-4291A
L _{3~4}	450uH(MIN)	1KHz 0.25V	V WK3260B
DCR _{1~2=3~4}	15mΩ (Max)	KHz V	LCR-METER:
HI-P _(LITOL2)	1000VAC/1mA/1Sec		V WK3260B
I _{rms}	5.0A Max(at ΔT=40℃(TYP))	1KHz 0.25V	DC RESISTANCE METER:
			V 9071A
			CURRENT SOURCE:
			V TH2816B+1320

(4) TURNS: 9Ts(REF)

(5) MATERIAL LIST

ITEM	MATERIAL	DESCRIPTION	Supplier of the material	UL NO.
1	CORE			
2	WIRE			
3	VARNISH			
4	EPOXY			
5	PCB FR-4			

REMARK:

APPROVED CHECKED DRAWN BY

姜杰文

姜法寶

王艷

MINGSTAR ELECTRONIC CORP.

TEST DATA FOR PREPRODUCTION SAMPLES

CUSTOMER:		Part No.	302-91948		Test Q'ty:	10		PCS						
CUST P/N.		Description:	TM100605N-451-P				Date:	2022.5.12						
MEASURE ITEM	L _{1~2} (uH())	L _{3~4} (uH())	DCR _{1~2} (mΩ)	DCR _{3~4} (mΩ)	A (mm)	B (mm)	C (mm)	D (mm)	G (mm)					
SPECIFIC	450.0	450.0	15.0	15.0	13.0	3.5	8.0	8.0	5.0					
SUGGEST	MIN	MIN	Max	Max	Max	± 0.5	± 1.5	Max	± 1.5					
1	482.00	482.00	11.15	11.15	11.57	3.42	8.09	7.68	5.09					
2	495.00	495.00	11.20	11.20	11.69	3.50	8.06	7.69	5.09					
3	486.00	486.00	11.26	11.26	11.60	3.51	8.10	7.85	4.99					
4	489.00	489.00	11.18	11.18	11.62	3.56	8.02	7.82	5.03					
5	506.00	506.00	11.16	11.16	11.48	3.45	8.05	7.86	5.00					
6														
7														
8														
9														
10														
X														
R														
TEST CONDITION	INSTRUMENTS:		WK3620B					AT:	1KHz	0.25V				
	ENVIORMENTS:		TEMP:25 degree HUMDITY :65%											
	STORAGE TEMPERATURE RANGE				-40℃~+125℃									
	OPERATING TEMPERATURE RANGE				-40℃~+125℃									
REMARK:						APPROVED	CHECKED	DRAWN BY						
						姜杰文	姜法寶	王艷						

MINGSTAR ELECTRONIC CORP.