SPECIFICATION FOR REFERENCE

CUSTOMER	MARITEX
CUST. PART NO.	CFU1001V 33mH
CUST. DOC. REV.	
DESCRIPTION	X'FMR (RoHS+H.F)
SAMPLE LOT NO.	Y15160249
PART NO.	CFU1001V-30-LRH
DOC. REV.	ORIG
DATE	2016/7/28

Once you approve this part, please sign and return this page to the following marked location.

Customer Signature:_____ Date:_____

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TESTED BY	CHECKED BY	APPROVED BY
Yi Hongyu	Lei Ou	Zhou Shengjun

PROSPERITY DIELECTRICS CO., LTD

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CUSTOMER	CUSTOMER P/N	REV.	SPL. LOT NO.	
MARITEX	CFU1001V 33mH		Y15160249	
PART NAME	**PART NO.**	**REV.**	**DATE OF ISSUE**	**Q'TY**
X'FMR (RoHS+H.F.)	CFU1001V-30-LRH	ORIG	2016/7/28	0EA

ENGINEERING CHANGE NOTICE - RECORD

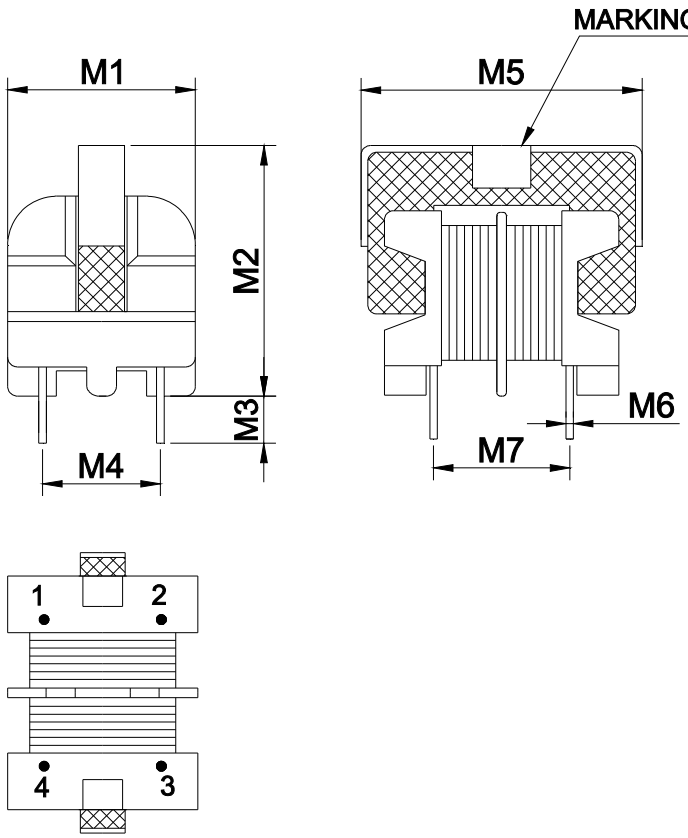
REVISION NO.	REVISION DESCRIPTION	AUTHOR	DATE	REMARK
ORIG		Yi Hongyu	2016/7/28	

SPECIFICATION FOR REFERENCE

※This is a RoHS and REACH compliant product whose related documents are available on request.

※Graphic is only for dimensionally application.

MECHANICAL DIMENSION:

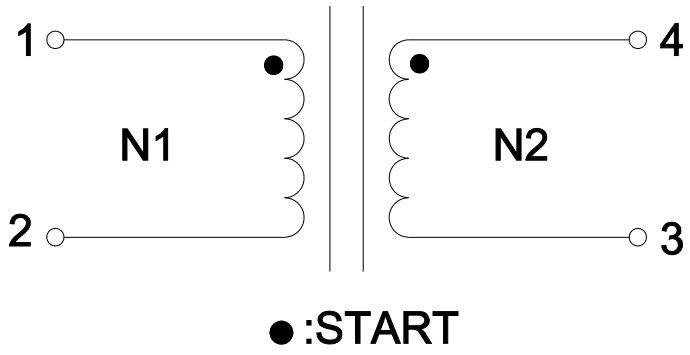


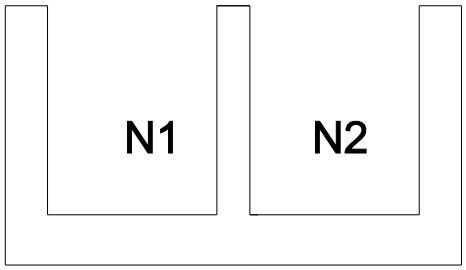
UNIT:mm

	DIM.	TOL.
M1	12.00	MAX.
M2	17.00	MAX.
M3	4.00	±0.5
M4	7.00	±0.5
M5	17.50	MAX.
M6	Φ0.60	±0.1
M7	8.00	±0.5

SPECIFICATION FOR REFERENCE

SCHEMATIC DIAGRAM / CONSTRUCTION:





WINDING DATA

WINDING	START	FINISH	WIRE(mm)	TURNS (REF.)	TAPE LAYER	MARGIN TAPE	TUBE	REMARK
N1	1	2	0.16Ø	155	-	-	-	Close winding
N2	4	3	0.16Ø	155	-	-	-	Close winding

SPECIFICATION FOR REFERENCE

ELECTRICAL SPEC:

ITEM	SPECIFICATIONS	TEST CONDITION	TEST INSTRUMENT
1.INDUCTANCE:		@10KHz/1V	PMA3260B
L1-2	33.0 mH MIN.		ZENTECH3305
L4-3	33.0 mH MIN.		
2.D.C RESISTANCE:		@25℃	CH502AC
R1-2	5.0 OHM MAX.		
R4-3	5.0 OHM MAX.		
3.HI-POT TEST:		@CUT OFF CURRENT= 0.5mA	CH19053
COIL TO COIL	1000 VAC/1 MINUTE.		
COIL TO CORE	500 VAC/1 MINUTE.		
4.I.R TEST:		@500VDC	CH3305
COIL TO COIL	100 MOHM MIN.		
COIL TO CORE	100 MOHM MIN.		

SPECIFICATION FOR REFERENCE

MATERIAL LIST:

ITEM	PART	DESCRIPTION	RATING	SUPPLIERS	SGS NO.	UL NO.
a	WIRE	SFBW-2@	155℃	JUNG SHING WIRE CO LTD OR EQUIV.	KA/2016/41201A-01	E174837
b	CORE	A07		ACME ELECTRONICS CORPORATON OR EQUIV.	CE/2015/B24111	
		TS7		TDG HOLDING CO.,LTD	ECL03H004894001	
		JL7		CHENZHOU JLW HIGH TECH ELECTRONIC CO.,LTD.	CANEC1515800803	
c	BOBBIN	T355HF T375HF	150℃	CHANG CHUN PLASTICS CO LTD OR EQUIV.	CE/2016/60629	E59481
		PM-9820	150℃	SUMITOMO BAKELITE CO LTD	10392905(4)	E41429
d	CLIP	SUS301		DONG GUAN CITY SHI JIE TOWM CHENG WEI HARDWARE MANUFACTORY OR EQUIV.	CANEC1418488901	
e	VARNISH	AC-43	130℃	JOHN C DOLPH CO	SHAEC1509133701	E317427
		BC-346A	200℃	JOHN C DOLPH CO	SHAEC1509133702	
		1032*	130℃	QUALIPOLY CHEMICAL CORP OR EQUIV.	CANEC1511566606	E213437
f	SOLDER	Pb FREE(Sn99.3%,Cu 0.7%)		DONGGUAN YONGAN TECHNOLOGY CO.,LTD. OR EQUIV.	CANEC1607405903	

SPECIFICATION FOR REFERENCE

RELIABILITY PERFORMANCE:

Test Item	Test Condition	Standard Source
Humidity Test	+40℃± 2℃, humidity of 90% ± 5% (total 96 hours).	MIL-STD-202G Method 103B Test Condition B
High Temperature Test	1.Temperature: +125℃±2℃ 2.Test time: 48±2hrs	IEC 68-2 Test Condition B
Low Temperature Test	1.Temperature: -40℃±2℃ 2.Test time: 48±2hrs	IEC 68-2 Test Condition A
Thermal Shock	+125℃±5℃ (30 minutes) ~ -40 ± 5℃ (30 minutes), temperature switch time: 5 minutes (total 50 cycles).	MIL-STD-202G Method 107G Test Condition B-2
Life Test	+70℃±5℃ (300 Hours)	MIL-STD-202G Method 108A Test Condition D
Vibration Test	10-55-10HZ, amplitude: 1.5mm, direction: X, Y, Z axes, each axis 2 hours (total 6 hours).	MIL-STD-202G Method 201A
Solder Heat Resistance Test	DIP: Soak in 260℃ solder pot, stay 10Sec	MIL-STD-202G Method 210F Test Condition B(DIP)
Solder Ability Test	Soak in 245 ℃ solder pot of 3Sec, PAD must have 95% above coverage.	J-STD-003B

SPECIFICATION FOR REFERENCE

REFLOW CHART: