




承认书

SPECIFICATION FOR APPROVAL

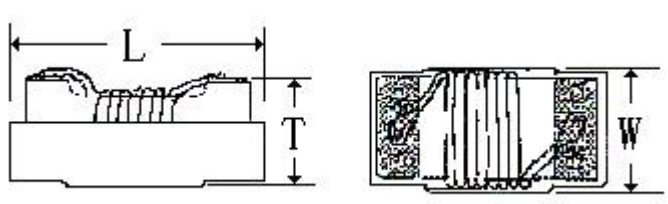
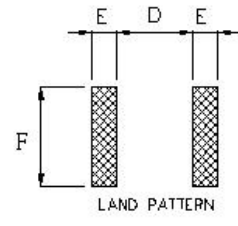
CUSTOMER:			
CUSTOMER P/N:			
Cybermax P/N:	CMCW2012F6R8KTT		
DRAWN NO. :	CM210225001C192		
DATE:	21.02.25	REVISION NO.	A

Signature:

APPROVED BY	CHECKED BY	DRAWN BY
 <p>黄 21.02.25 大燕</p>	 <p>谢 21.02.25 焕飞</p>	 <p>申 21.02.25 双凤</p>

DATE	Chang Item

CUSTOMER:		PAGE:	1/7
CUSTOMER P/N:		REVISION:	
Cybermax P/N:	CMCW2012F6R8KTT	DATE:	21.02.25
DRAWN NO.:	CM210225001C192		

SHAPE & DIMENSION (UNIT:mm)													
	<table border="1"> <tr><td>L</td><td>2.29MAX</td></tr> <tr><td>W</td><td>1.73MAX</td></tr> <tr><td>T</td><td>1.52MAX</td></tr> <tr><td>E</td><td>1.02Typ.</td></tr> <tr><td>D</td><td>0.76Typ.</td></tr> <tr><td>F</td><td>1.78Typ.</td></tr> </table>	L	2.29MAX	W	1.73MAX	T	1.52MAX	E	1.02Typ.	D	0.76Typ.	F	1.78Typ.
L	2.29MAX												
W	1.73MAX												
T	1.52MAX												
E	1.02Typ.												
D	0.76Typ.												
F	1.78Typ.												
Marking Code:	Size: Color: typeface:												
PAD LAYOUT(MM):	ELECREICAL SCHEMATIC:												
 <p>LAND PATTERN</p>													

ELECREICAL SPECIFICATION						
MEAS. ITEM	SPEC.				TEST FREQ.	CONDITIONS
L	6.8	μH	±	10%	7.9MHz/0.5V	Ta=25°C, Idc=0A
Q	14	Typ			7.9MHz/0.5V	
DCR	0.88	Ω	MAX			Ta=25°C
Isat	420	mA	MAX		7.9MHz/0.5V	ΔL/L ≤ 30%
Irms	420	mA	MAX		7.9MHz/0.5V	Δ ≤ 40°C
SRF	35	MHz	Typ			
GENERAL SPECIFICATION						
Electrical specifications :	at 25°C					
Operation Temperature:	-40~+125°C					
Storage Temperature:	-40~+125°C					

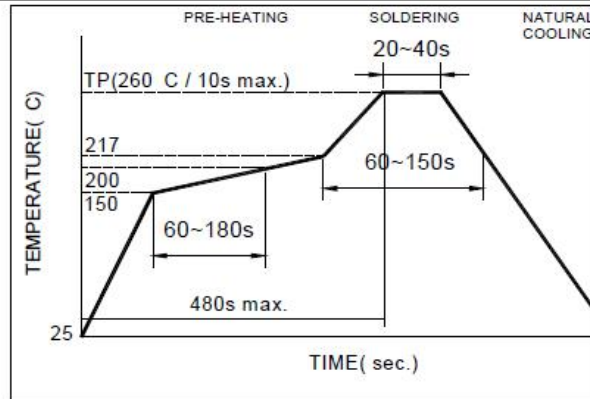
CUSTOMER:		PAGE:	2/7
CUSTOMER P/N:		REVISION:	
Cybermax P/N:	CMCW2012F6R8KTT	DATE:	21.02.25
DRAWN NO.:	CM210225001C192		

Reliability Test			
No.	Item	Specification	Test Method
1	Temperature Shock.	Appearance: No damage. Inductance: within $\pm 10\%$ of initial.	Temperature: $-25 \pm 2^\circ\text{C} \sim +105 \pm 2^\circ\text{C}$ Kept for 30 minutes. Transition time : 5 minutes. 100 Cycles.
2	Humidity Resistance.	Appearance: No damage. Inductance: within $\pm 10\%$ of initial.	Temperature: $40 \pm 2^\circ\text{C}$. Relative Humidity: 90%. Duration: 500 +4/-0 hours.
3	High Temperature Resistance.	Appearance: No damage. Inductance: within $\pm 10\%$ of initial.	Temperature: $105 \pm 2^\circ\text{C}$. Duration: 1000 +4/-0 hours.
4	Low Temperature Resistance.	Appearance: No damage. Inductance: within $\pm 10\%$ of initial.	Temperature: $-25 \pm 2^\circ\text{C}$. Duration: 1000 +4/-0 hours.
5	Vibration test.	Appearance: No damage. Inductance: within $\pm 10\%$ of initial.	Oscillation Frequency: 10Hz to 55Hz to 10Hz in 60 seconds as a period. Total amplitude: 1.5mm. Testing Time: a period of 2 hours in each 3 mutually perpendicular directions (total of 6 hours).
6	Solderability Heat test.	Appearance: No damage. Inductance: within $\pm 10\%$ of initial.	Solder temperature: $260 \pm 5^\circ\text{C}$. Duration: 5 sec. Allowed reflow time: 2 times.
7	Solderability test.	90% or more of electrode area shall be coated by new solder.	Preheating: 160°C , 60sec. Solder temperature: $245 \pm 5^\circ\text{C}$. Duration : 5 sec.
8	Flexure Strength.	No visible mechanical damage.	Flexure: 2mm. Pressurizing Speed: 0.5mm/sec. Keep time: 30 ± 1 sec.
9	Terminal Strength.	No visible mechanical damage.	Force: 0.45Kg for 0603 series. Force: 0.9Kg for 0805 series. Force: 1.8Kg for 1008 series above. Keep time: 5 sec, X,Y direct.

CUSTOMER:		PAGE:	3/7
CUSTOMER P/N:		REVISION:	
Cybermax P/N:	CMCW2012F6R8KTT	DATE:	21.02.25
DRAWN NO.:	CM210225001C192		

SOLDERING CONDITIONS

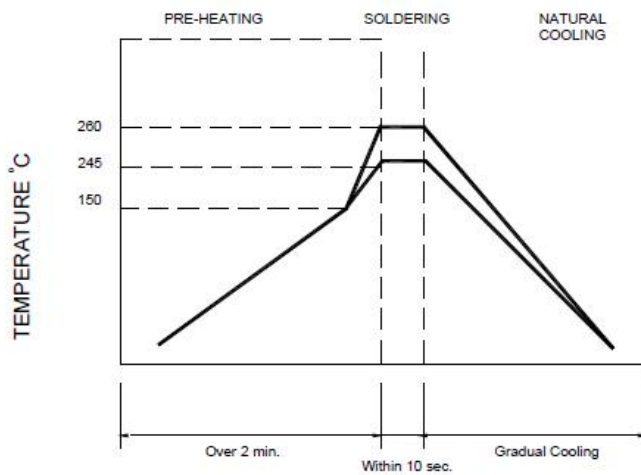
**Figure 1.
Re-flow
Soldering (Lead
Free)**



Note:

- Preheat circuit and products to 150°C
- 260°C tip temperature (max)

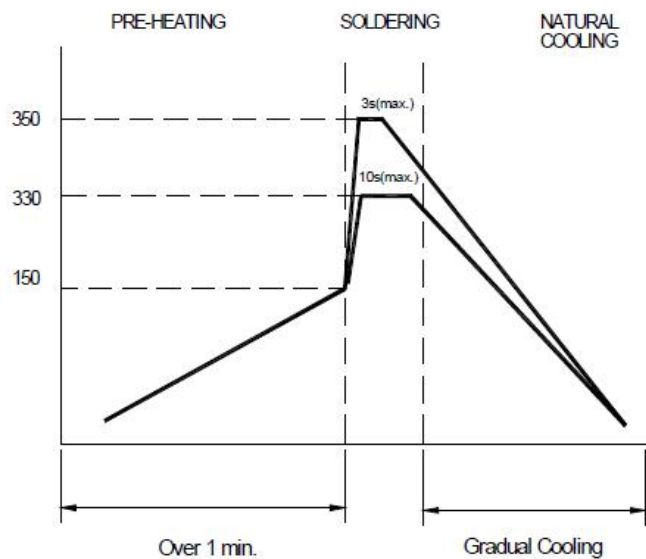
**Figure 2.
Wave Soldering**



Note :

- Never contact the ceramic with the iron tip
- 1.0mm tip diameter (max)

**Figure 3.
Hand Soldering**



Note:

- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 3 sec.

CUSTOMER:		PAGE:	4/7
CUSTOMER P/N:		REVISION:	
Cybermax P/N:	CMCW2012F6R8KTT	DATE:	21.02.25
DRAWN NO.:	CM210225001C192		

B.O.M

项目名称	型号及规格	制造商	环保要求	备注
磁芯 (DRUM CORE)	MF401SWI2012C075-LS	台湾佳叶/台湾光绅	RoHS	主选
线材 (WIRE)	P180G1	益利素勒	RoHS	主选
胶水 (GLUE)	UW-523	贺盛	RoHS	灌封

CUSTOMER:		PAGE:	5/7
CUSTOMER P/N:		REVISION:	
Cybermax P/N:	CMCW2012F6R8KTT	DATE:	21.02.25
DRAWN NO.:	CM210225001C192		

TEST DATA FOR PREPRODUCTION SAMPLE

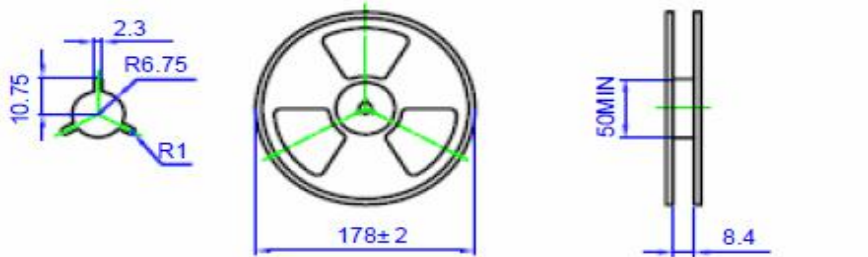
TEST RESOLUTION				DIMENSION (Unit: mm)		
MEAS.	L	D.C.R	Q	长	宽	高
ITEM	μH	Ω		mm	mm	mm
SPEC.	6.8	0.88	14	2.29MAX	1.73MAX	1.52MAX
	±					
	10%	MAX	TYP			
TEST FREQ.	7.9MHz/0.5V	At 25°C	7.9MHz/0.5V			
1	6.83	0.650	15.0	2.16	1.52	1.22
2	6.79	0.650	15.0	2.14	1.50	1.20
3	6.78	0.650	14.0	2.14	1.50	1.21
4	6.77	0.660	14.0	2.16	1.51	1.22
5	6.82	0.670	15.0	2.15	1.52	1.22
6	6.84	0.650	14.0	2.16	1.52	1.21
7	6.86	0.660	15.0	2.14	1.51	1.20
8	6.86	0.670	14.0	2.15	1.51	1.22
9	6.81	0.670	15.0	2.16	1.50	1.21
10	6.83	0.650	18.0	2.15	1.51	1.20
AVG.	6.82	0.658	14.90	2.15	1.51	1.21
R	0.09	0.020	4.00	0.02	0.02	0.02

APPROVED BY	CHECKED BY	DRAWN BY
		

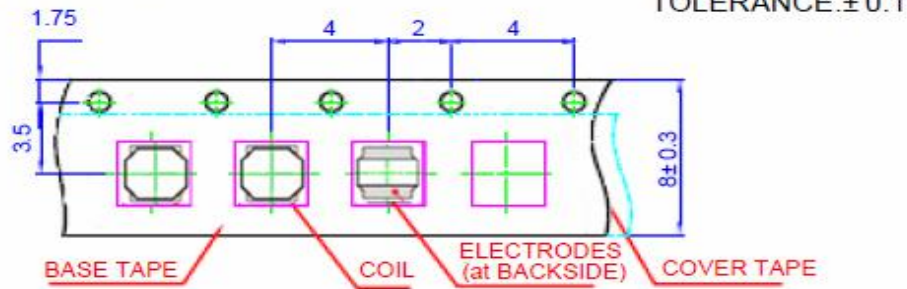
CUSTOMER:		PAGE:	6/7
CUSTOMER P/N:		REVISION:	
Cybermax P/N:	CMCW2012F6R8KTT	DATE:	21.02.25
DRAWN NO.:	CM210225001C192		

PACKAGING

Reel dimensions

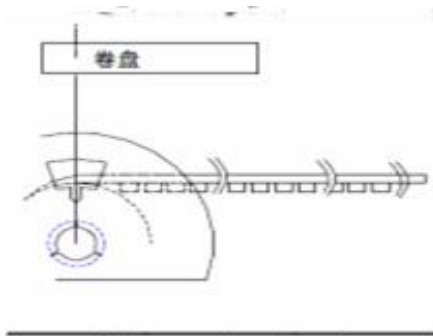


Tape dimensions



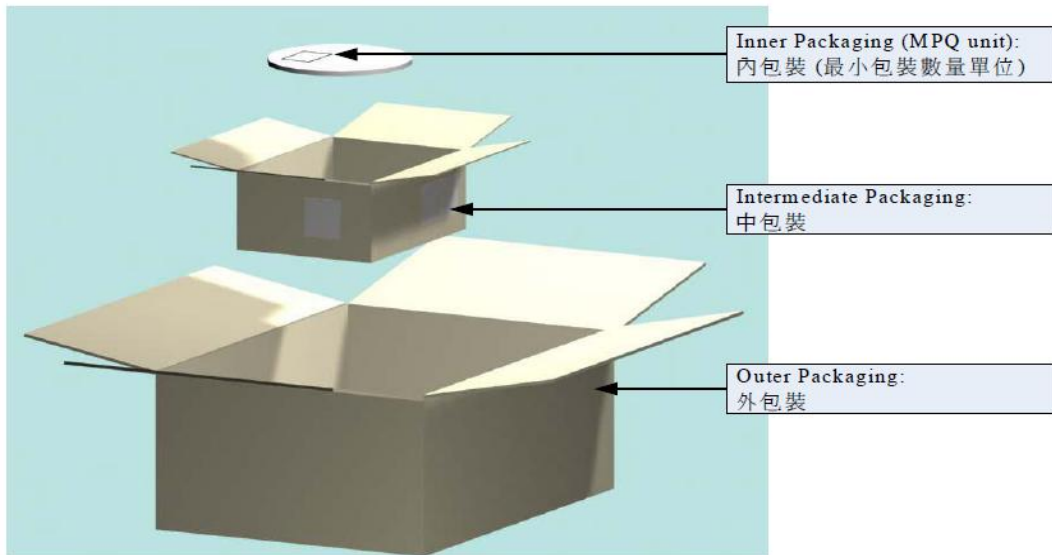
Packaging

Quantity: 2000 pcs/reel

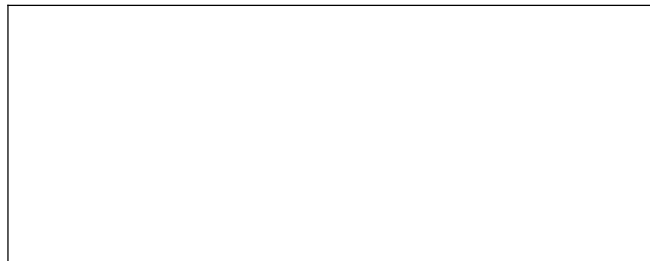


CUSTOMER:		PAGE:	7/7
CUSTOMER P/N:		REVISION:	
Cybermax P/N:	CMCW2012F6R8KTT	DATE:	21.02.25
DRAWN NO.:	CM210225001C192		

PACKAGING



- 1.1 外箱: 39*38*18.5 cm 一箱裝 8 內箱
 - 1.2 內箱: 18.7*18.4*8.3 cm 一箱裝 5 卷制品
 - 1.3 外箱材質: A 三 A
 - 1.4 內箱材質: A=A
 - 1.5 每 5 卷制品用一只静电袋包裝
 - 1.6 每一静电袋內放一只袋干燥剂
 - 1.7 每一卷上面依标签樣式的要求貼上标签明細
 - 1.8 出貨內外箱貼上該箱內實際內容明細
 - 1.9 出貨标签規格如下: 尺寸=長度:39mm 寬度:29mm
- (如: 客戶有特殊要求時, 則依客戶要求實施.)



备注: 如果捆包数量小于内箱捆包数量时就用内箱包装