




# 承认书

## SPECIFICATION FOR APPROVAL

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

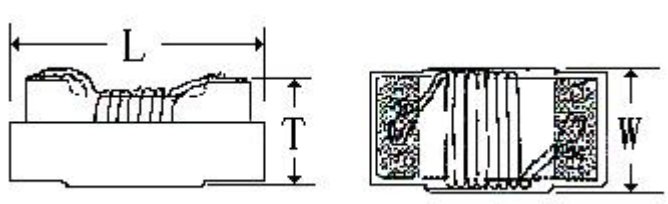
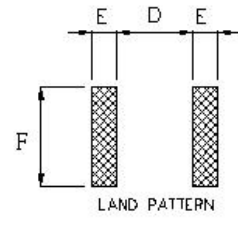
Signature:

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>





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

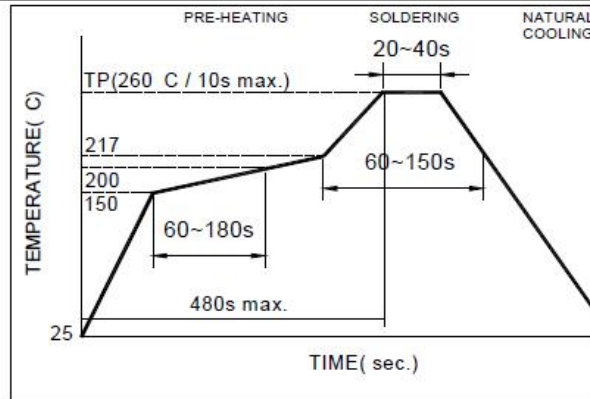
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<b>Reliability Test</b>			
No.	Item	Specification	Test Method
1	Temperature Shock.	Appearance: No damage. Inductance: within $\pm 10\%$ of initial.	Temperature: $-25 \pm 2^{\circ}\text{C} \sim +105 \pm 2^{\circ}\text{C}$ Kept for 30 minutes. Transition 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: $160^{\circ}\text{C}$ , 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: $30 \pm 1$ 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.

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### SOLDERING CONDITIONS

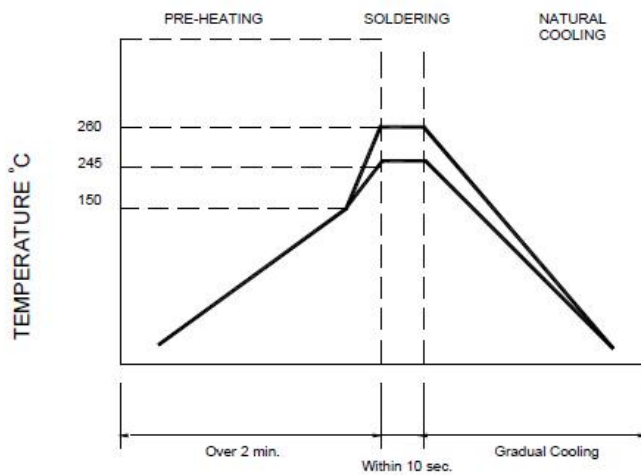
**Figure 1.  
Re-flow  
Soldering (Lead  
Free)**



Note:

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

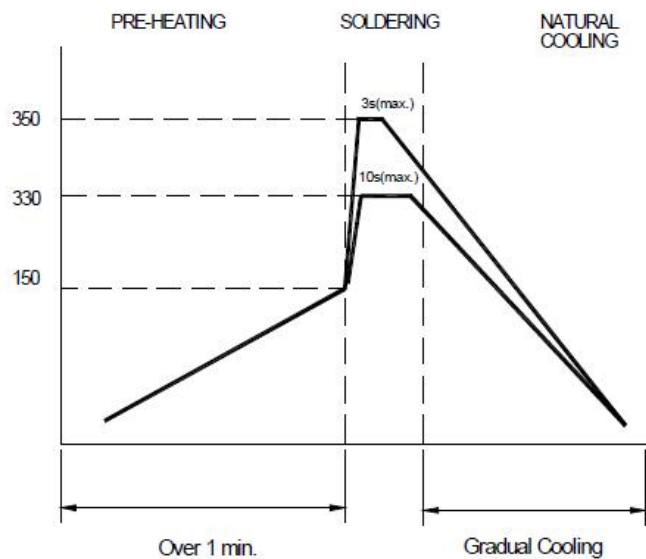
**Figure 2.  
Wave Soldering**



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.

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### 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

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### TEST DATA FOR PREPRODUCTION SAMPLE

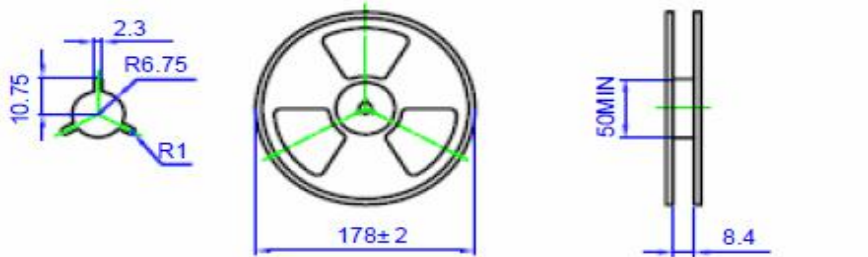
TEST RESOLUTION				DIMENSION (Unit: mm)		
MEAS.	L	D.C.R	Q	长	宽	高
ITEM	μH	Ω		mm	mm	mm
SPEC.	6.8	0.88	14	2.29MAX	1.73MAX	1.52MAX
	±					
	10%	MAX	TYP			
TEST FREQ.	7.9MHz/0.5V	At 25°C	7.9MHz/0.5V			
1	6.83	0.650	15.0	2.16	1.52	1.22
2	6.79	0.650	15.0	2.14	1.50	1.20
3	6.78	0.650	14.0	2.14	1.50	1.21
4	6.77	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
		

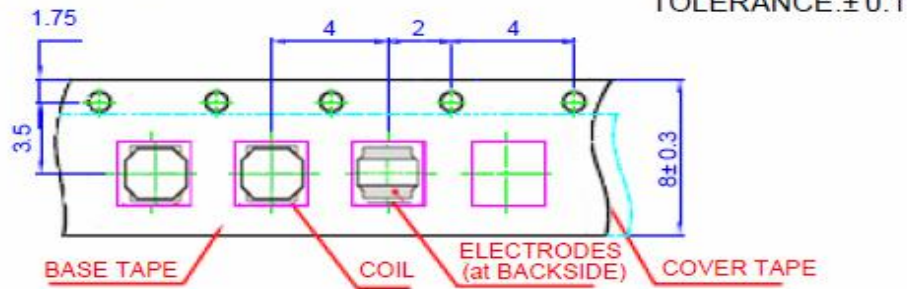
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### PACKAGING

Reel dimensions

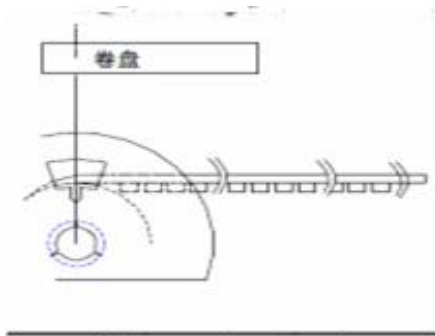


Tape dimensions



Packaging

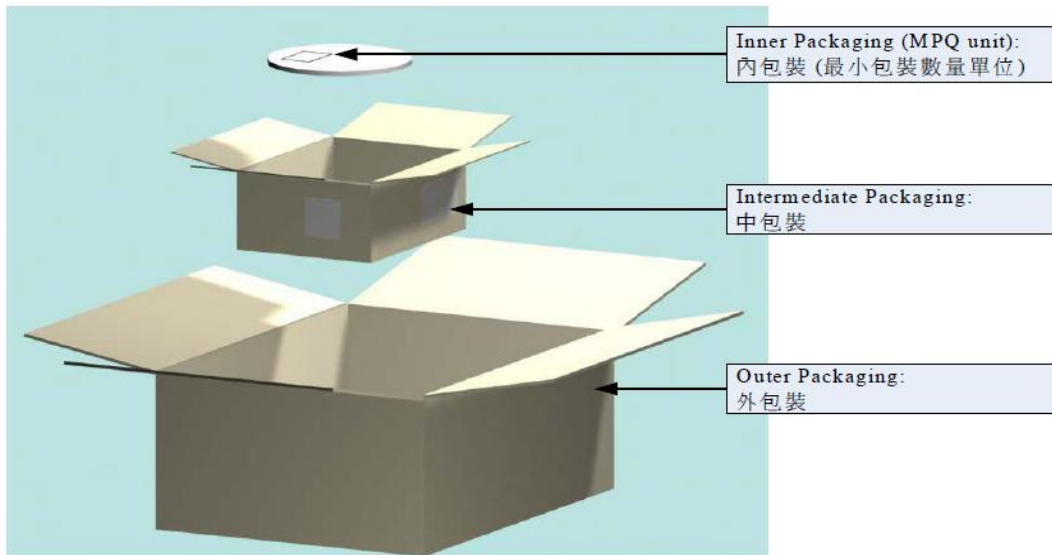
Quantity: 2000 pcs/reel



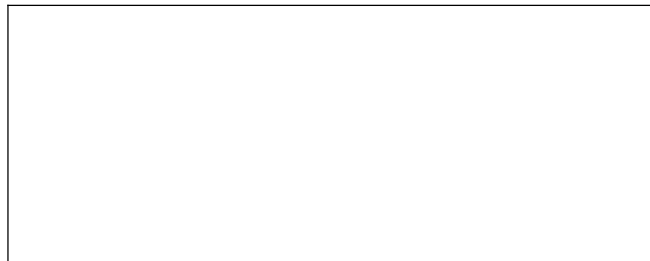


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### PACKAGING



- 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实际內容明細
- 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

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