

承認書

SPECIFICATION FOR APPROVAL

CUSTOMER: _____

DESCRIPTION: _____ WIRE WOUND CHIP INDUCTOR _____

Cybermax PART NO: _____ CMCW1005FR22KST _____

CUSTOMERMODELNO: _____

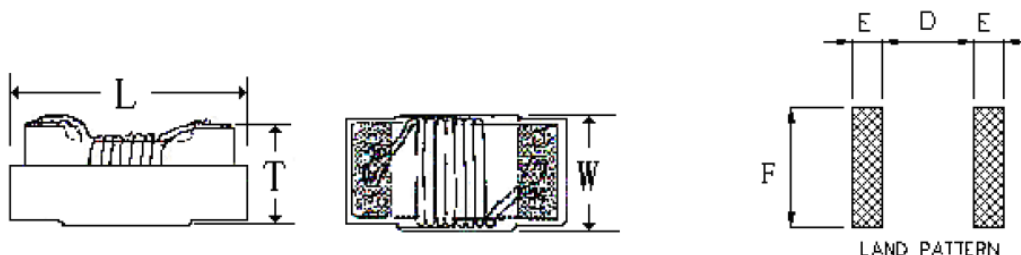
DRAWING			CUSTOMER APPROVE
MADE	CHECKED	APPROVED	
曹春宁	张有涛	陈启善	
DATE: 2019年07月08日			

变更履历

Rev.01
www.cybermaxtech.com.cn

CUSTOMER:		REV NO:	A1.0
DESCRIPTION:	WIRE WOUND CHIP INDUCTOR	PAGE NO:	PAGE 2 OF 6
PART NO:	CMCW1005FR22KST	SN.	
CUSTOMER NO:		DATE:	2019 年 07 月 08 日

UNIT:mm



CODE	L	W	T	E	F	D	
DIMENSION	1.19MAX	0.66MAX	0.64MAX	0.40Typ.	0.64Typ.	0.64Typ.	

2. ELECTRICAL CHARACTERISTICS @25°C

ITEM	SPEC. RANGE	TEST CONDITION	TEST INSTRUMENTS
L(nH)	220±10%	7.9MHz/0.5V	HP4286A
DCR(Ω)	0.53 MAX		502BC
I _{rms} (mA)	380 MAX		VR116+VR7210
SRF	1150 MIN		E5071C ENA

3. PART NUMBERING SYSTEM

CMCW ☐ ☐ ☐ ☐ ☐ ☐ ☐ **R** ☐ ☐ ☐ ☐

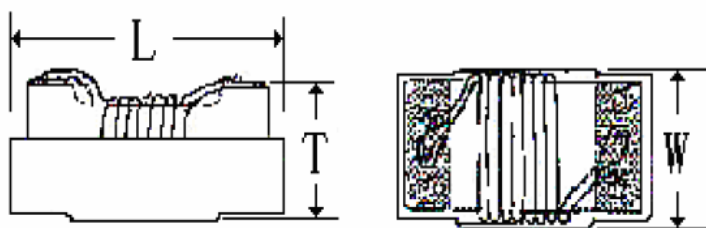
2 **3** **4** **5** **6** **7**

- 1 PRODUCT SYMBOL (产品代号)
- 2 DIMENSIONS (规格尺寸)
- 3 MATERIAL (芯片类型)
- 4 INDUCTANCE (电感量)
- 5 TOLERANCE (公差) : F $\pm$ 1%; G $\pm$ 2%; J $\pm$ 5%; K $\pm$ 10%; M $\pm$ 20%
- 6 TERMINAL (端电极材料): G-金端头; S-锡端头; Y-银钎端头
- 7 PACKAGING (包装方式): T-编带盘装; B-散装

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CUSTOMER NO:						DATE:	2019 年 07 月 08 日	
TEST	L	DCR		L	W	T		
ITEM	(nH)	(Ω)		(mm)	(mm)	(mm)		
CON.	7.9MHz/0.5V	At 25℃		1.19MAX	0.66MAX	0.64MAX		
SPEC.	220±10%	0.53 MAX						
1	220.1	0.42		1.07	0.64	0.56		
2	220.15	0.42		1.08	0.63	0.55		
3	219.88	0.42		1.09	0.62	0.56		
4	219.86	0.42		1.08	0.63	0.54		
5	220.13	0.42		1.07	0.64	0.55		
6	219.95	0.42		1.09	0.62	0.56		
7	219.97	0.42		1.08	0.64	0.54		
8	219.97	0.42		1.07	0.63	0.55		
9	219.89	0.42		1.09	0.64	0.56		
10	220.11	0.42		1.08	0.63	0.54		
X	220	1.55		1.08	0.63	0.55		
R	0.29	0.03		0.02	0.02	0.02		

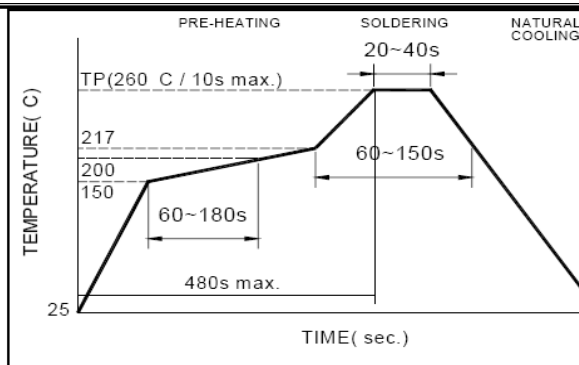
图示:



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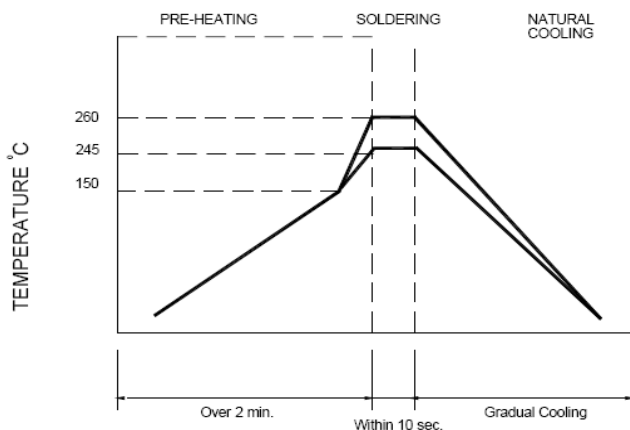
**Figure 1.
Re-flow
Soldering (Lead
Free)**



Note:

- Preheat circuit and products to 150°C
- 280°C tip temperature (max)

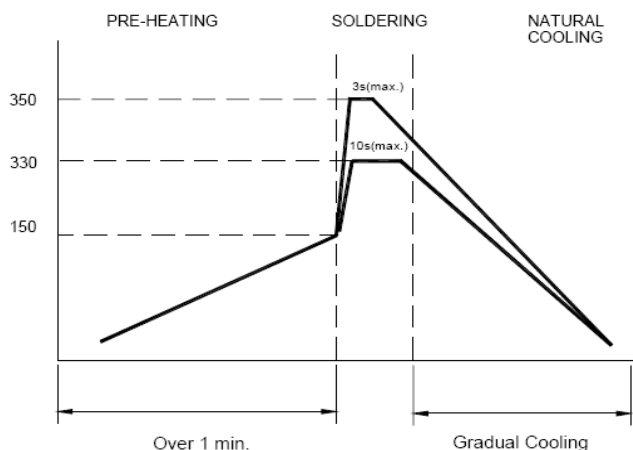
**Figure 2.
Wave Soldering**



Note :

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

**Figure 3.
Hand Soldering**



Note:

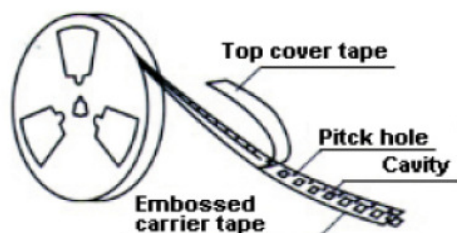
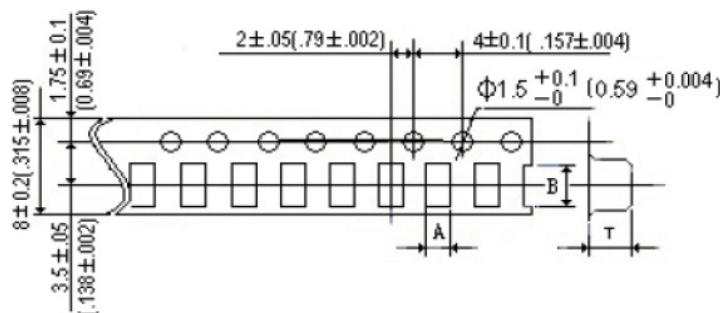
- Use a 20 watt soldering iron with tip diameter of 1.0mm
- Limit soldering time to 3 sec.

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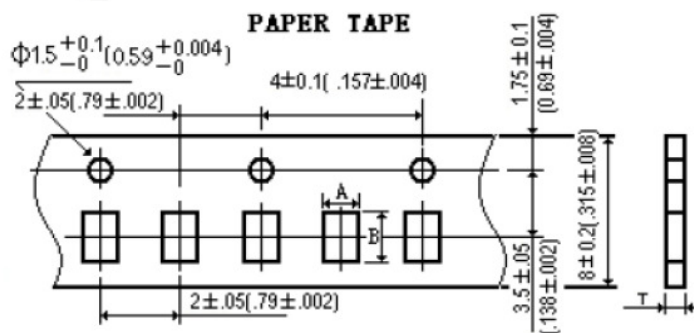
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Tape

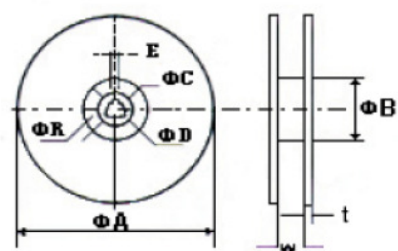
POLYSTYRENE TAPE



PAPER TAPE



Reel Dimensions



unit:(mm)

		A	B	T
纸带	0402	0.74	1.23	0.60
	0603	1.15	1.83	0.95
	0805	1.85	2.40	1.45
胶带	1008	2.73	2.90	2.34
	1210	2.96	3.60	2.40
	1812	3.22	4.82	3.15

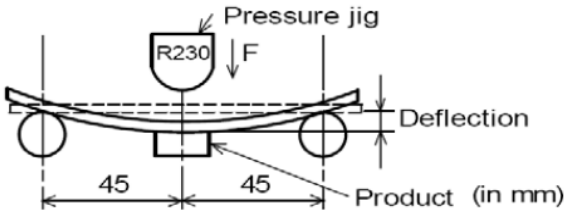
unit	ΦA	ΦB	ΦC	ΦD	E	W	t	R
mm	178	60	13	21	2	10	2	1
	330	75	13	23	2	12	2	1

包裝數量

Packaging Quantity

规格 Dimension	0402	0603	0805	1008	1210	1812
数量 Quantity(pcs)	10000	4000	3000	2000	2000	2000

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High Temperature Storage	No evidence of mechanical damage Inductance change,less than±5% Q change less than±10%	Test Temperature:125±2℃(Ceramic core)85±2℃(Ferrite core) Test Time:96±2Hours	
Low Temperature Storage	No evidence of mechanical damage Inductance change,less than±5% Q change less than±10%	Test Temperature:-40±2℃ Test Time:96±2Hours	
Moisture Resistance	No evidence of mechanical damage Inductance change,less than±5% Q change less than±10%	Test Temperature:50±2℃ Test Time:100Hours 相对湿度90~95%	
Vibration	No evidence of mechanical damage Inductance change,less than±5% Q change less than±10%	Amplitude:1.5mm X、Y、Z方向各1Hours45min Frequency range:10~55~10Hz(min)	
Component Adhesion	No evidence of mechanical damage No evidence of peel off or broken Keep continuity of Winding	Force:2Kgf Test Time:5±1秒	
Resistance to bend	No evidence of mechanical damage	Camber:20mm Test Board:Glass-Epoxy board Thickness:8mm 	
Life	No evidence of mechanical damage Inductance change,less than±5% Q change less than±10%	Test Temperature:85±2℃ Test Time:1000Hours with rating current Test Time:96±2Hours	
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