

RoHS Compliant

APPROVAL SHEET

Issued No. : _____

DESCRIPTION : SMD 5032 Glass Seal CRYSTAL
NOMINAL FREQ. : 11.059200 MHz
TAITIEN P/N : _____
TAITIEN MODEL : XSHCCCNANF-11.059200MHz
REVISION : 1
DATE : _____

QA	Checked	Prepared

CUSTOMER : _____

CUSTOMER P/N : _____

Customer Signature
Approved:
Date:

REVISION HISTORY

Rev.	Revised Page	Revision Content	Date	Ref. No.	Reviser
01	N/A	Initial Released	05/13/2019	N/A	Y.P.MA

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ELECTRICAL SPECIFICATIONS

	Parameter	Min.	Typ.	Max.	Units	Test Condition
1-1	Nominal Frequency	11.059200			MHz	
1-2	Frequency Tolerance.	-20		+20	ppm	at 25°C +/-2°C
1-3	Operating Temperature range	-20		+70	°C	
1-4	Storage Temperature range	-55		+125	°C	
1-5	Temperature Characteristics	-20		+20	ppm	-20°C to +70°C
1-6	Nominal Load Capacitance	20			pF	
1-7	Series Resistance			150	Ω	
1-8	Shunt Capacitance			7.0	pF	
1-9	Motion Capacitance				fF	
1-10	Motion Inductance				mH	
1-11	Q factor				K	
1-12	Spurious Response				dB	
1-13	Frequency Pull ability				ppm/pF	
1-14	C0/C1 Ratio					
1-15	Aging	-5		+5	ppm/year	
1-16	Insulation Resistance	500MΩ Min. @ DC100V				
1-17	Nominal Drive Level	10			μW	into 60Ω
1-18	Dependency Condition				μW	
1-19	Drive Level Dependency Resistance Max. Minus Min.				Ω	
1-20	Drive Level Dependency Frequency Max. Minus Min.				ppm	
1-21	Drive Level Dependency Resistance Max.				Ω	

■ CUSTOMER SPECIAL REQUIREMENT

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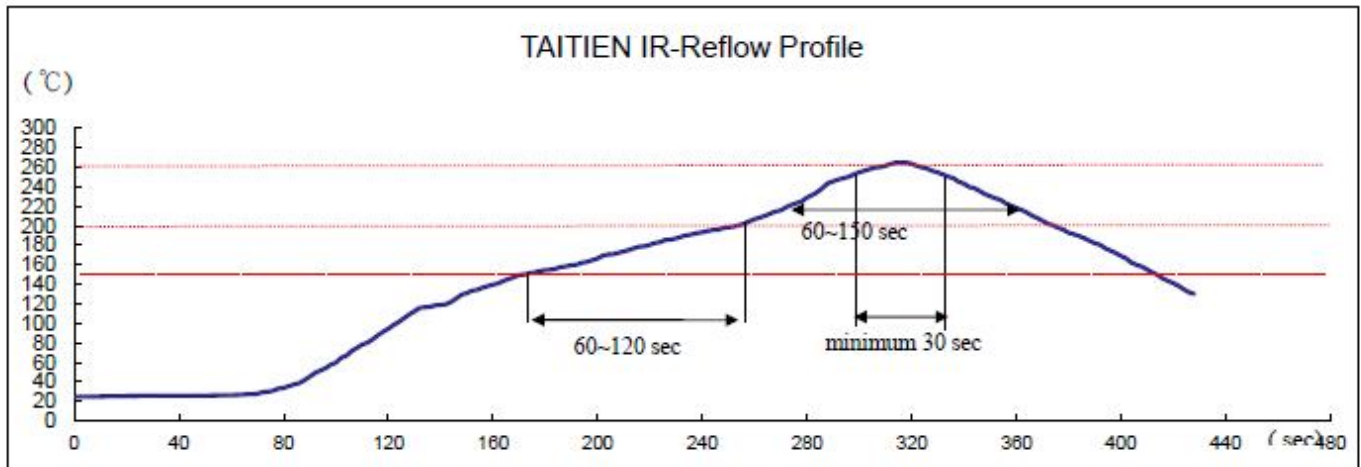
■ ENVIRONMENTAL

	Parameter	Reference Std.	Test Condition
3-1	Vibration Test	MIL-STD-883 2007 Condition A	10~2000Hz, 1.52mm, 20g, each axis for 4 hrs
		JESD22-B103 Condition 1	
3-2	Thermal Shock	MIL-STD-883 1010 Condition B	-55°C, 125°C; soak time is 10 mins, with total 200 cycles
		JESD22-A104 Condition B	
3-3	Mechanical Shock	MIL-STD-883 2002 Condition B	1500G, half-sine, 0.5ms, each axis for 3 times.
		JESD22-B104 Condition B	

■ RECOMMENDED IR REFLOW PROFILE

- IR REFLOW PROFILE OF CERAMIC SMD PRODUCTS FOR Pb FREE PROCESS

TAITIEN ELECTRONICS CO., LTD.



Reference Standard: JEDEC-STD 020

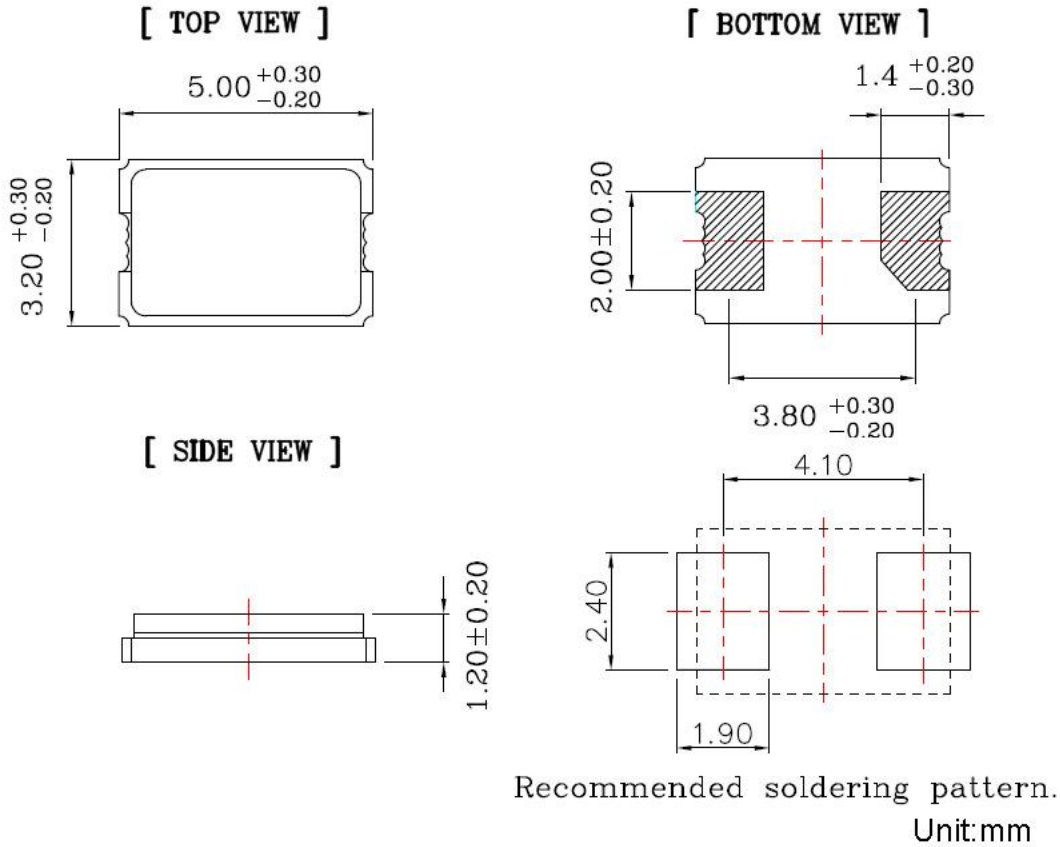
Test conditions: Pre-heating : 150°C to 200°C, 60~120secs.

Heating : 217°C, 60~150sec.

Peak temperature at least : 260°C, The time above 255 °C : minimum 30sec.

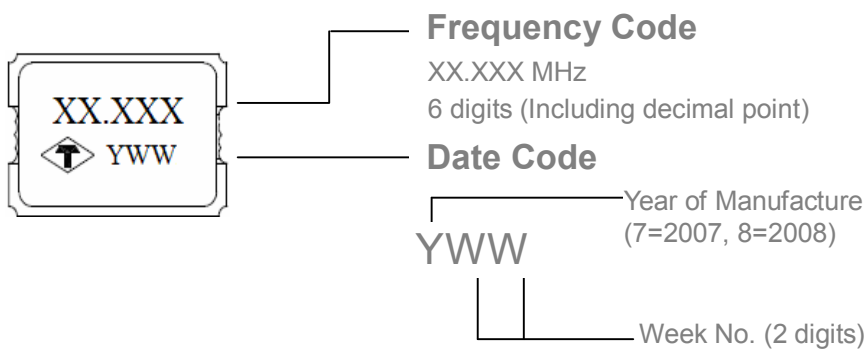
■ PRODUCT DIMENSIONS

➤ DIMENSIONS

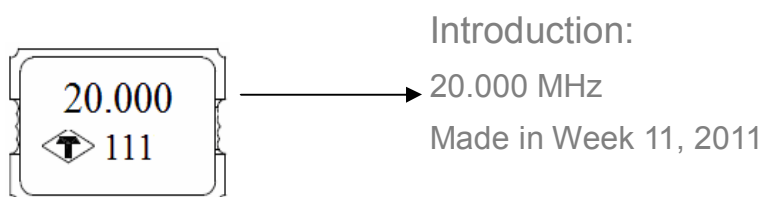


■ PRODUCT IDENTIFICATION (MARKING)

➤ PROCEDURE: LASER

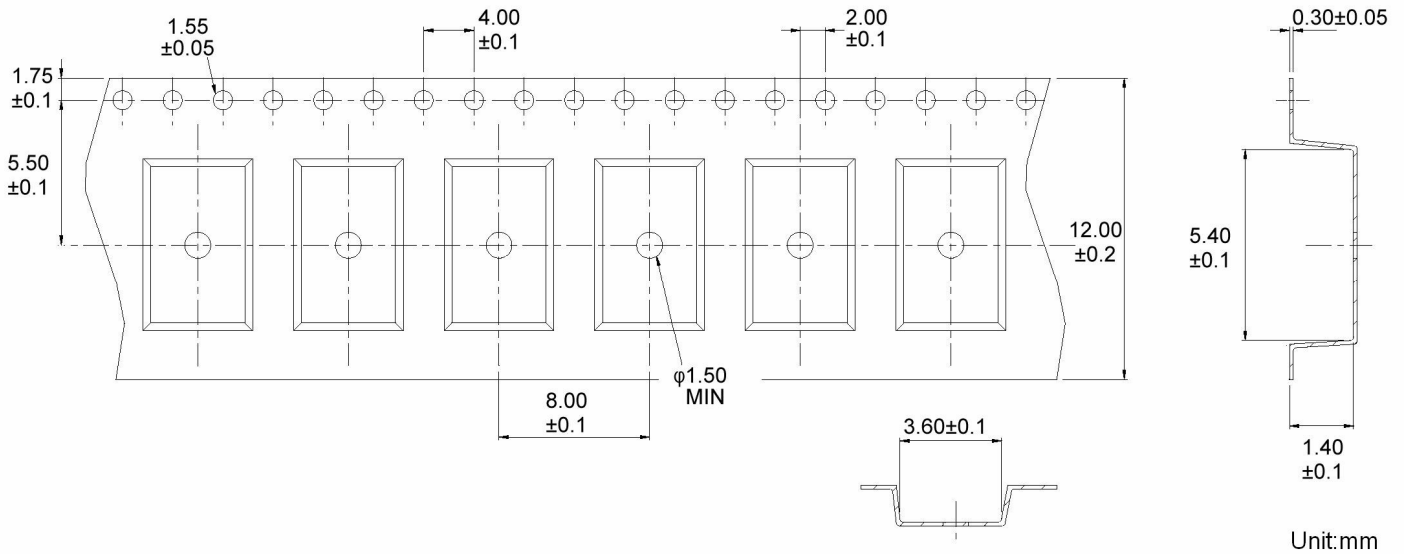


➤ FOR EXAMPLE:

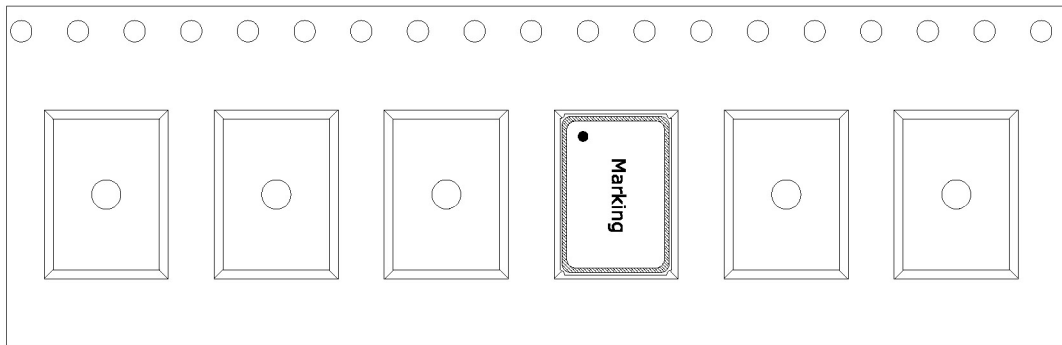


PACKAGE INFORMATION

TAPE (CARRIER) DIMENSIONS



THE DIRECTION OF PACKING



REEL DIMENSIONS

