



RoHS Compliant

APPROVAL SHEET

Issued No. :

DESCRIPTION : DIP 11.1*4.68 METAL CAN CRYSTAL
NOMINAL FREQ. : 4.9152MHz
TAITIEN P/N :
TAITIEN MODEL : 49S-4.9152-30-10-10/B
REVISION : 1
DATE : 07/11/2017

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	InitialReleased	06/03/2017	N/A	YU PING MA

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ELECTRICAL SPECIFICATIONS

	Parameter	Min.	Typ.	Max.	Units	Test Condition
1-1	Nominal Frequency	4.9152			MHz	
1-2	Frequency Tolerance.	-10		+10	ppm	at 25°C +/-2°C
1-3	Operating Temperature range	-40		+85	°C	
1-4	Storage Temperature range	-55		+125	°C	
1-5	Temperature Characteristics	-30		+30	ppm	-40°C to +85°C
1-6	Nominal Load Capacitance	30			pF	
1-7	Series Resistance			35	Ω	
1-8	Shunt Capacitance			7	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			μ W	into 40Ω
1-18	Dependency Condition				μ W	
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

2	
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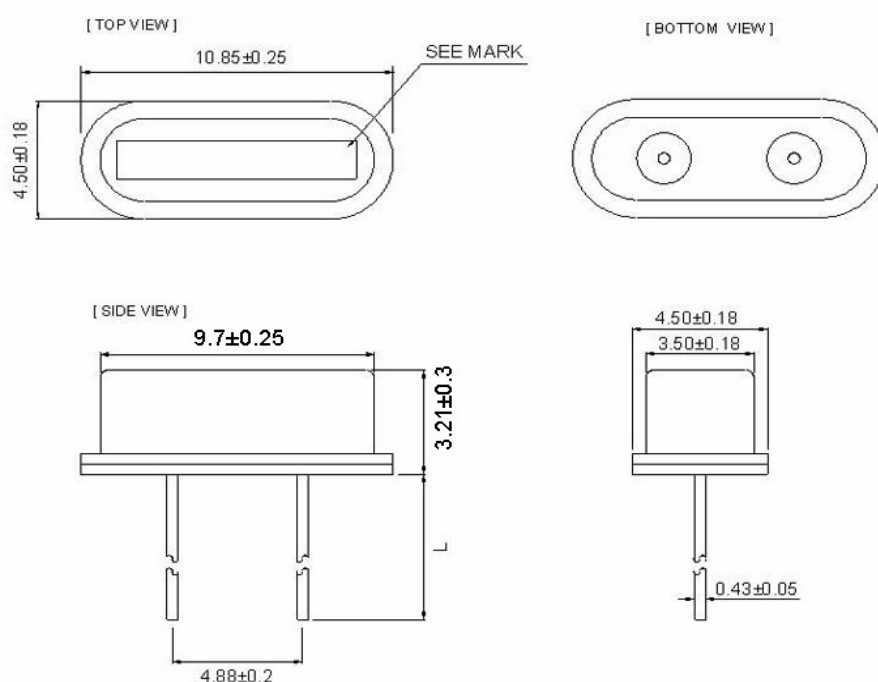
■ ENVIRONMENTAL

	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℃, 125℃; 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	

■ PRODUCT DIMENSIONS

➤ DIMENSIONS

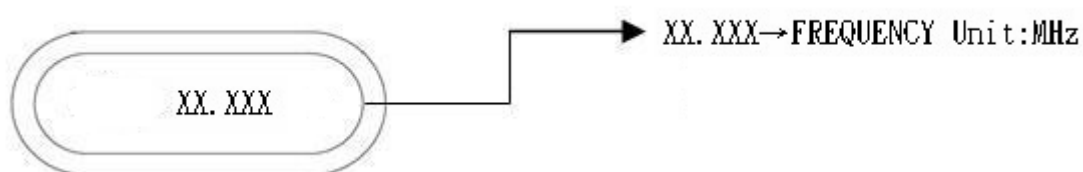
LEAD SIZE:	
	L(mm)
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<input type="checkbox"/>	7.5+/-1
<input type="checkbox"/>	3.6+/-0.2
<input type="checkbox"/>	3.8+/-0.3
<input type="checkbox"/>	4.5+/-0.5
<input type="checkbox"/>	16.0+/-1
<input type="checkbox"/>	4.0+/-0.5
<input type="checkbox"/>	Refer tp SPEC. Sheet



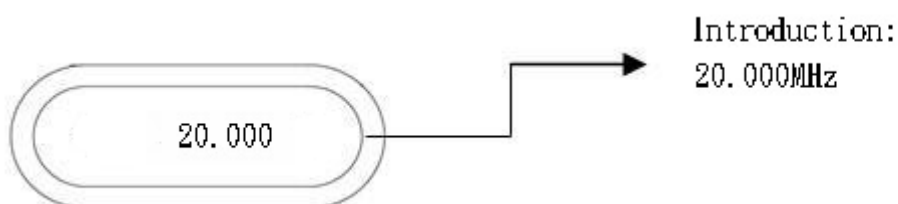
Recommended soldering pattern

■ PRODUCT IDENTIFICATION (MARKING)

➤ PROCEDURE: LASER



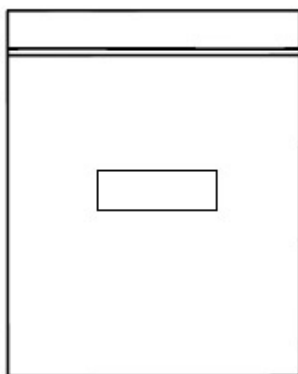
➤ FOR EXAMPLE:



■ PACKAGE INFORMATION

FOR METAL CAN & TUNING FORK CRYSTAL PACKAGE

A.



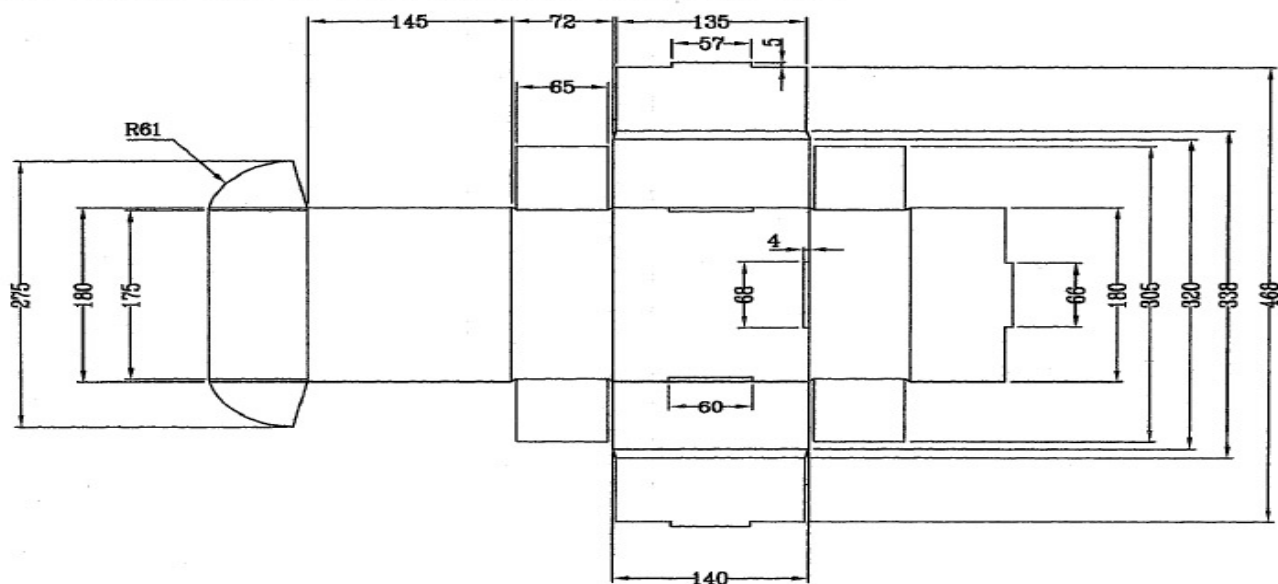
- ☐ 200pcs Plastic Bag ☐ 500pcs Plastic Bag
- ☐ 1000pcs Plastic Bag ☐ 2000pcs Plastic Bag

B.



- ☐ Below 200pcs Plastic Bag

FOR METAL CAN & TUNING FORK CRYSTAL BOX



MATERIAL : A3A
TOLERANCE : ± 0.5
UNIT : mm
t : 2 mm(-0.1/+0.3)