

RoHS Compliant

APPROVAL SHEET

		Issued No.:			
DESCRIPTION : DIP 11.1*4.68 METAL CAN CRYSTAL					
IOMINAL FREQ.	: 4.194304MHz	4.194304MHz			
AITIEN P/N	:				
AITIEN MODEL	: 49\$\$-4.194304-2	49SS-4.194304-20-10-10/B			
REVISION	: 1	1			
ATE	: 07/11/2017	07/11/2017			
QA	Checked	Prepared			
CUSTOMER					
CUSTOWIER	:				
CUSTOMER P/I	N :				
	Customer Signa	ture			
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.	Тур.	Max.	Units	Test Condition
1-1	Nominal Frequency		4.194304		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℃
1-6	Nominal Load Capacitance		20		pF	
1-7	Series Resistance			120	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				Ω	
1-19	Resistance Max. Minus Min.				\$2	
1-20	Drive Level Dependency				ppm	
1 20	Frequency Max. Minus Min.				PPIII	
1-21	Drive Level Dependency				Ω	
	Resistance Max.					



■ CUSTOMER SPECIAL REQUIREMENT

2

■ ENVIRONMENTAL

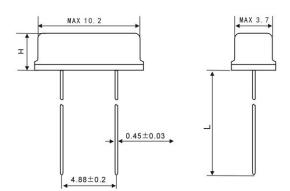
	Parameter	Reference Std.	Test Condition
3-1 Vibration Test	Vibration Toot	MIL-STD-883 2007 Condition A	10~2000Hz, 1.52mm, 20g, each
	VIDIALIOIT LEST	JESD22-B103 Condition 1	axis for 4 hrs
3-2	Thermal Shock	MIL-STD-883 1010 Condition B	-55°ℂ, 125°ℂ; soak time is 10
3-2	mermai Snock	JESD22-A104 Condition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

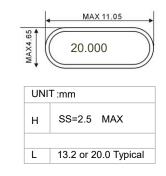


■ PRODUCT DIMENSIONS

DIMENSIONS

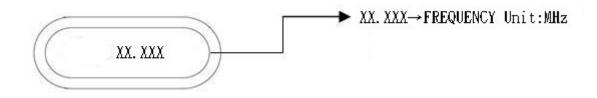
LEAD SIZE:				
	L(mm)			
	13.2+/-1			
	7.5+/-1			
	3.6+/-0.2			
	3.8+/-0.3			
	4.5+/-0.5			
	16.0+/-1			
	4.0+/-0.5			
	Refer tp SPEC. Sheet			



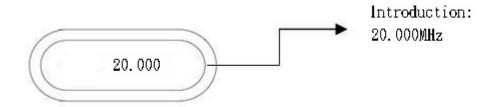


■ PRODUCT IDENTIFICATION (MARKING)

> PROCEDURE: LASER



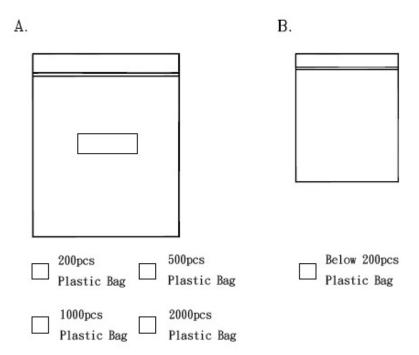
FOR EXAMPLE:



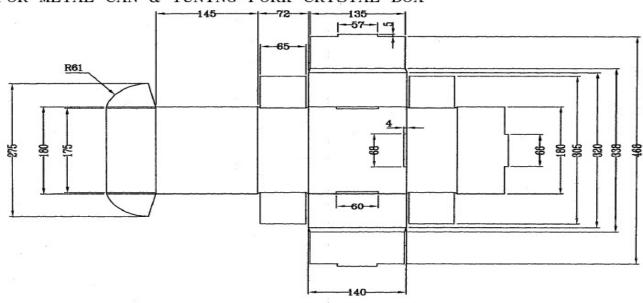


PACKAGE INFORMATION

FOR METAL CAN & TUNING FORK CRYSTAL PACKAGE



FOR METAL CAN & TUNING FORK CRYSTAL BOX



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