深圳市安晶利科技有限公司

RoHS Compliant

APPROVAL SHEET

Issued No. :

DESCRIPTION	:	**SMD 3225 XO CMOS**
NOMINAL FREQ.	:	**50.001200MHZ**
P/N	:	
MODEL	:	**OXET-50.001200MHZ**
REVISION	:	**1**
DATE	:	**06/19/2022**

QA	Checked	Prepared

CUSTOMER	:	
CUSTOMER P/N	:	

Customer Signature
Approved:
Date:

深圳市安晶利科技有限公司

■ ELECTRICAL CHARACTERISTICS

➢ FREQUENCY

	Parameter	Min.	Typ.	Max.	Units	Test Condition
1-1	Nominal Frequency		50.001200		MHz	
1-2	Frequency stability	-20 -20		20 20	ppm	25 °C -40-85 °C
	1-2-4 Aging	-3		+3	ppm	Frequency drift in first year
1-3	Operating Temperature range	-40		85	°C	The operating temperature range over which the frequency stability is measured.
1-4	Storage Temperature range	-55		125	°C	

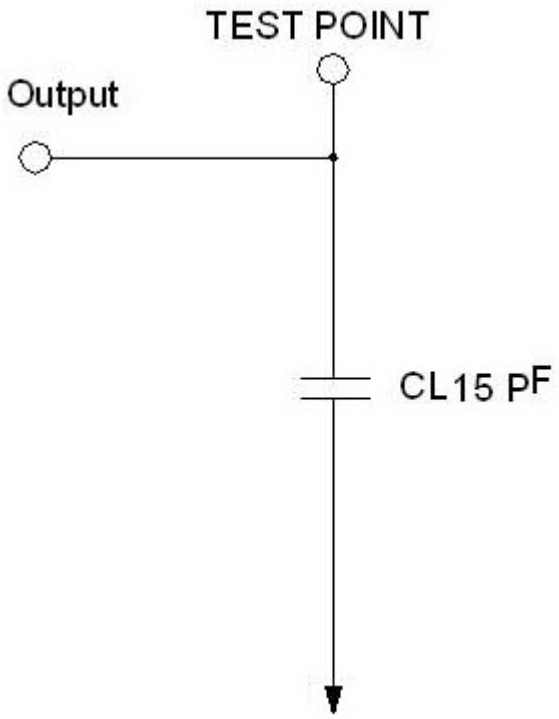
➢ POWER SUPPLY

	Parameter	Min.	Typ.	Max.	Units	Test Condition
2-1	Supply voltage	3.15	3.3	3.55	V	
2-2	Current			10	mA	At maximum supply voltage

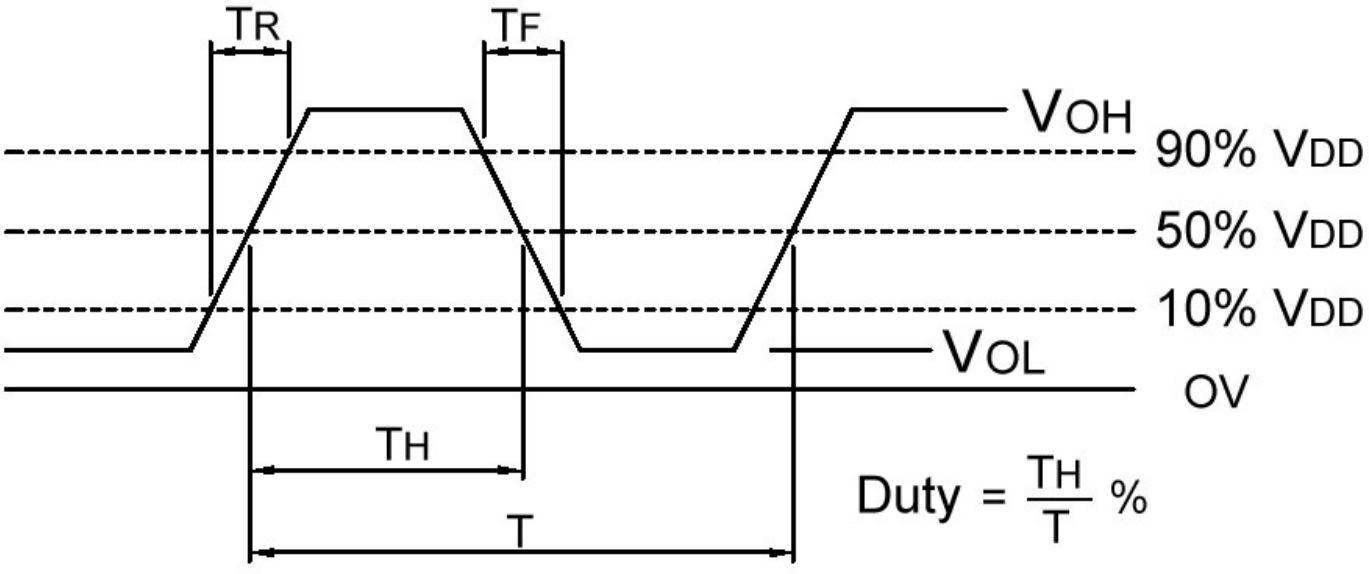
➢ OUTPUT

	Parameter		Min.	Typ.	Max.	Units	Test Condition
3-1	Output waveform			CMOS			
3-2	Duty Cycle		45	50	55	%	
3-3	Start Time				5	mSec	
3-4	Transition Time : Rise/Fall Time				5	nSec	
3-5	Output Level	Output High(Logic “1”)	90%Vdd			V	
3-6		Output Low(Logic “0”)			10%Vdd	V	
3-7	Output Load				15PF	pF	
3-8	Tri-State	Output Active	0.7Vdd			V	Pin 1 Tri-state
3-9		Output in High-Impedance state			0.3Vdd	V	

■ TEST CIRCUIT (CMOS LOAD)



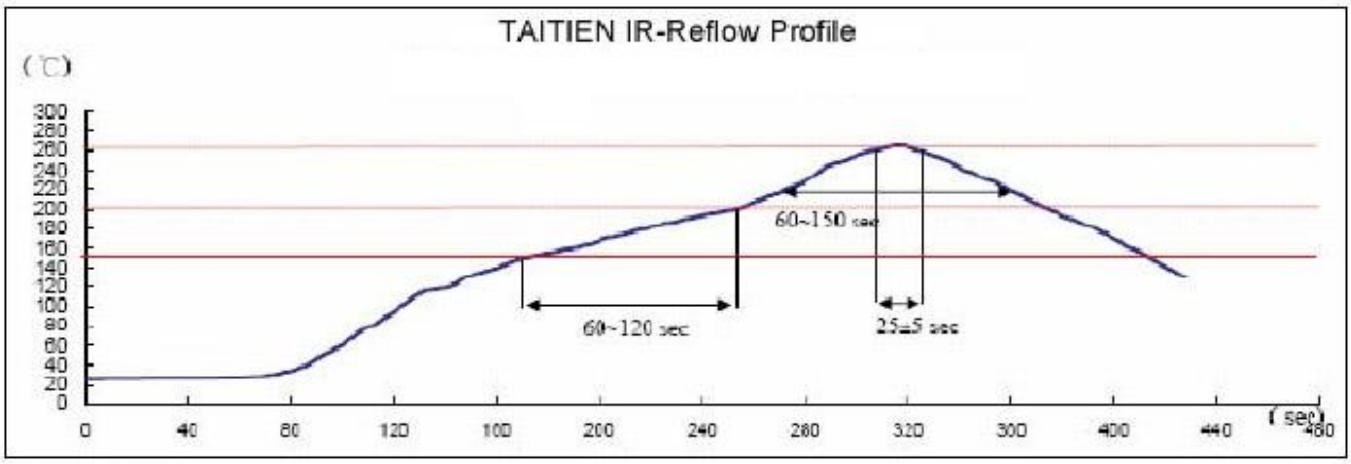
■ OUTPUT WAVEFORM (CMOS LOAD)



深圳市安晶利科技有限公司

■ RECOMMENDED IR REFLOW PROFILE

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



IR-Reflow Test

Reference Standard : JEDEC-STD 020

Test Conditions: Pre-heating : 150℃ to 200 ℃, 60~120 sec

Heating : 217 ℃ , 60~150 sec

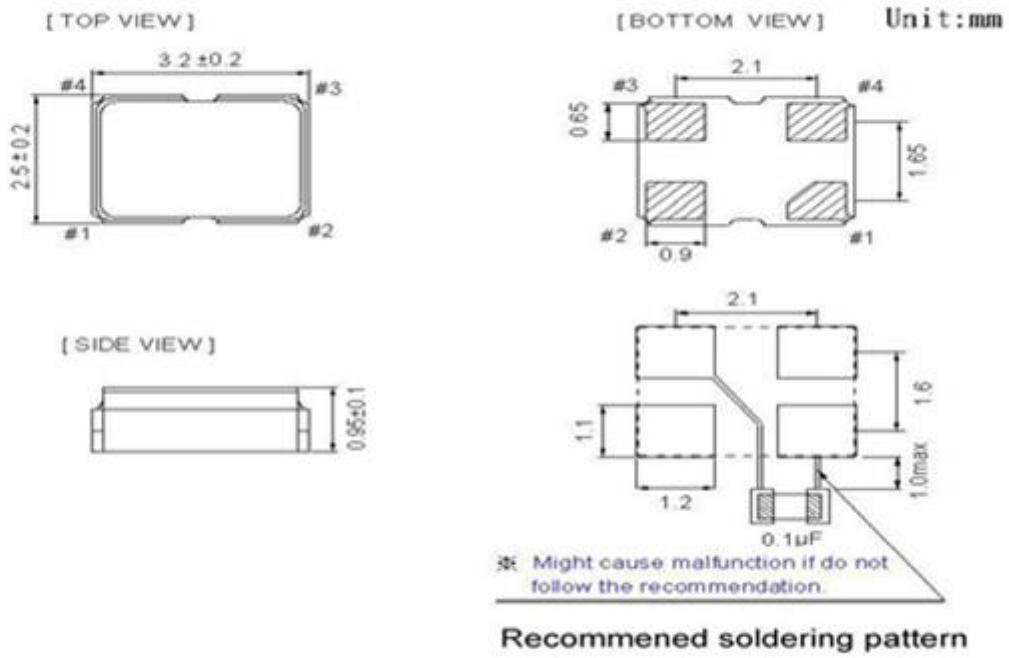
Peak Temperature : 260±5 ℃, 25±5 sec

深圳市安晶利科技有限公司

■ PRODUCT DIMENSIONS

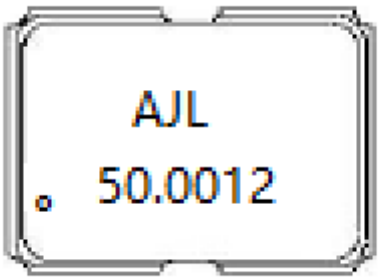
➢

¾ DIMENSIONS



➢ PIN FUNCTIONS

Pin	Function
#1	Tri-State
#2	GND
#3	Output
#4	V_{DD}

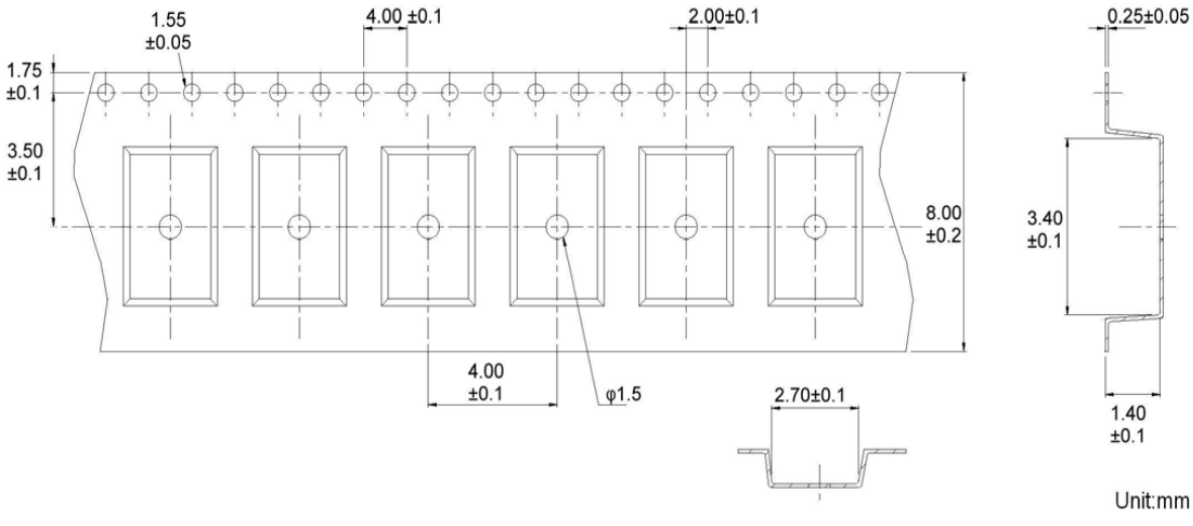


深圳市安晶利科技有限公司

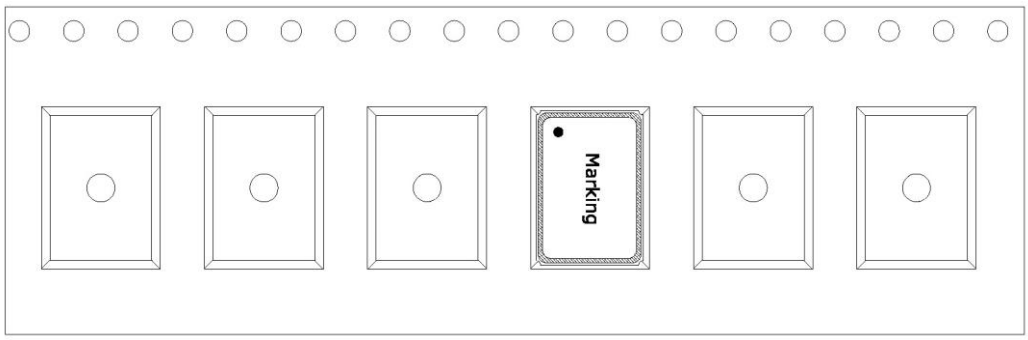
■ PACKAGE INFORMATION

➢ TAPE (CARRIER) DIMENSIONS

➢ TAPE (CARRIER) DIMENSIONS



➢ THE DIRECTION OF PACKING



➢ REEL DIMENSIONS