

Travelling Merchant: _____

DATASHEET

Standard: **T22-F579-32.00MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2022.06.24			

Guangdong Dapu Telecom Technology Co.,Ltd

Building 5, No.24, Industrial East Road, Songshanhu Park, Dongguan, Guangdong, P.R. China

TEL: 0086-0769-88010888 FAX: 0086-0769-81800098



Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	<i>Amway</i>	2021.07.05
1.1	The “Phase Noise” changed	<i>Amway</i>	2022.06.24



1. Electrical Parameters

MODEL: T22-F579-32.00MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	32.00			MHz	
	Output Waveform	Clipped Sine Wave				
	Start up time			2	ms	
	V _{p-p}	0.8			V	
	Harmonic			-5	dBc	
	Load	10KΩ//10pF				
Frequency Stabilities	Frequency Tolerance	-1.5		+1.5	× 10 ⁻⁶	T _A =25°C, After 2times reflow Ref.to nominal frequency, leave after reflow in 2h or more at room ambient.
	vs. Temperature Range	-0.5		+0.5	× 10 ⁻⁶	T _A varied from -40°C to 85°C, measurement referenced to frequency observed with f _{ref} =(f _{max} +f _{min})/2, V _{cc} =1.8V, O _{load} =10KΩ//10pF, temperature variable speed less than 2°C per minute.
	Frequency Tolerance vs. Supply Voltage	-0.2		+0.2	× 10 ⁻⁶	measurement referenced to frequency observed TA=25°C, V _{cc} varied from 1.71V to 1.89V, and O _{Load} =10KΩ//10pF.
	Frequency Tolerance vs. Load	-0.2		+0.2	× 10 ⁻⁶	10% load change measurement referenced to frequency observed with T _A =25°C, V _{cc} =1.8V, and O _{Load} =10KΩ//10pF .
	Aging Tolerance 1 Year	-1		+1	× 10 ⁻⁶	T _A =25°C, V _{cc} =1.8V, and after 1h of operation.
Power Supply	Operating Current			2	mA	@25°C, V _{cc} =1.8V.
	Supply Voltage	1.68	1.80	3.5	V	
Phase Noise	Phase Noise @25°C		-110		dBc/Hz	100Hz
			-135			1KHz
			-148			10KHz
			-150			100KHz

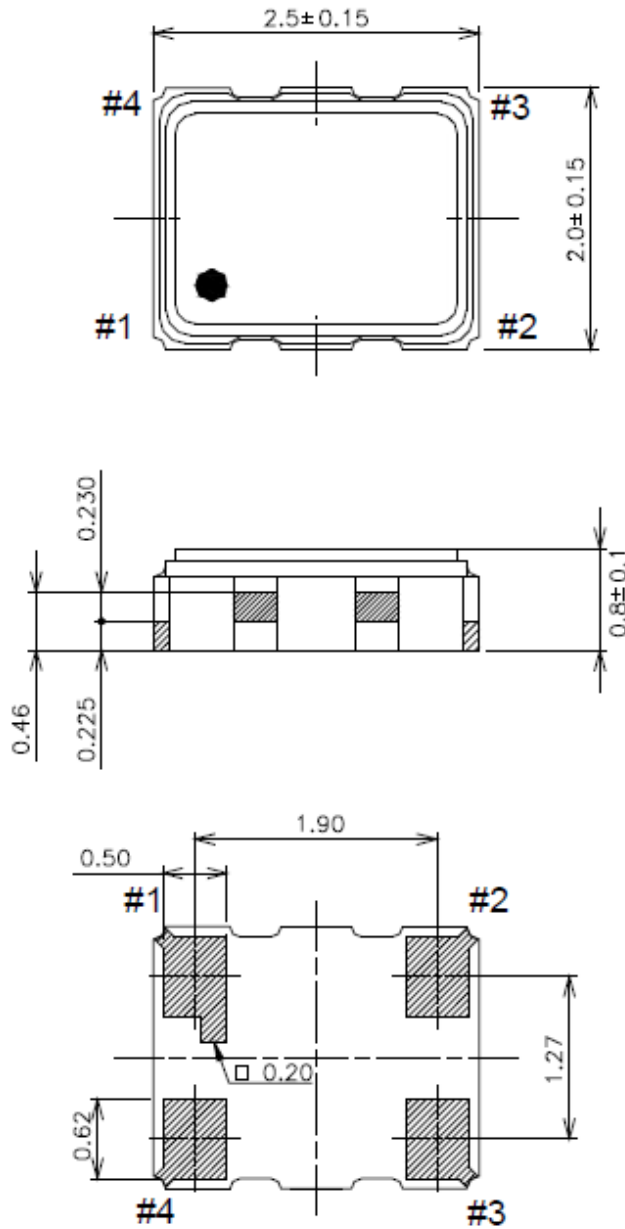


Environmental Conditions	Operable Temperature	-40		+85	°C	
	Storage Temperature	-40		+85	°C	
	ESD Level	Human Body Model,class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.				
		Machine Model, class B: 200V to 400V; JEDEC JESD22-A115C.				
	Moisture Sensitivity Level	Level 2.				
	Vibration	Test Condition: 0.75mm ;acceleration:10g;10Hz~2000Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X , Y , Z) .IEC 68-2-06 Test Fc.				
Shock	100g; 6ms; half sine wave (3 times for each 3 directions X , Y, Z),IEC 68-2-27 Test Ea/Severity 50A.					
Full Package Storage	Relative humidity (%)	20% ~70%				
	Temperature (°C)	-10~35°C				

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2. Mechanical Structure(mm)



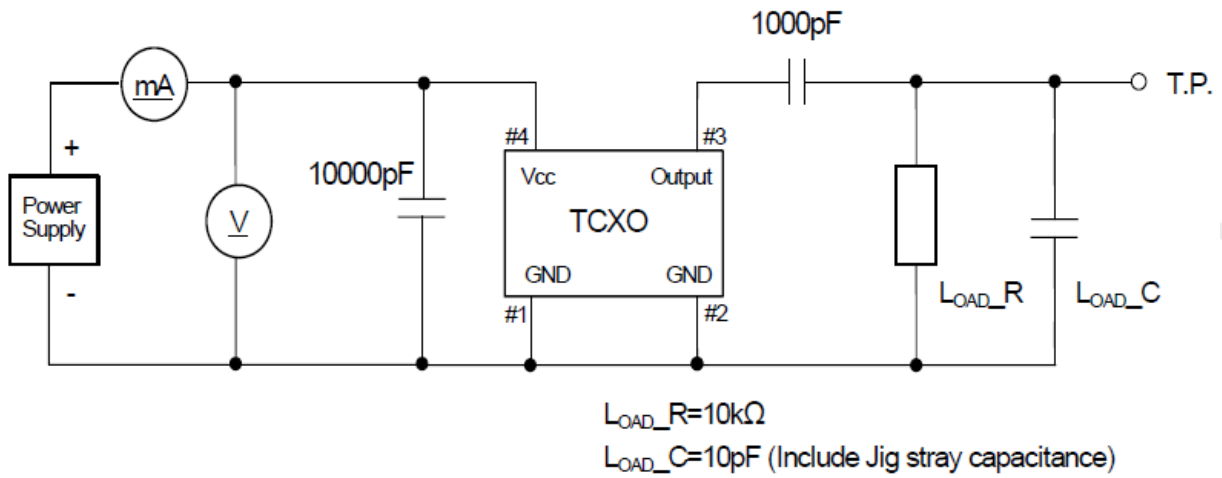
Pin Connections

Pin No.	Connection
#1	GND
#2	GND
#3	Output
#4	V _{CC}

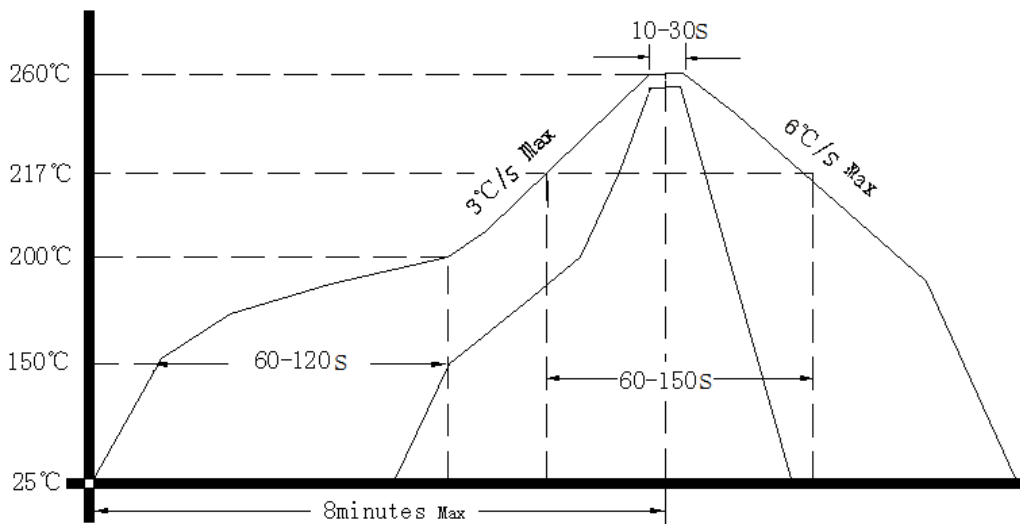
Note1: Tolerance ± 0.15 mm without mark



3. Test Circuit



4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)

