Travelling Merchant:_____

DATASHEET

Standard: **T22-F573-26.00MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	
Amway.wei	Carry . Wang	Jason Zhao	
Date: 2020.11.16			Stamp, please! Thanks!

Guangdong Dapu Telecom Technology Co.,Ltd

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Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	Amway	2020.11.16

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1. Electrical Parameters

MODEL： T22-F573-26.00MHz

Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		26.00		MHz	
	Output Waveform		Clipped Sine Wave			
	Start up time			2	ms	
	Stabilization time			1.5	ms	Less than +/-2.0ppm of steady state frequency
				0.5	ms	Less than +/-2.0ppm of steady state frequency
	Vp-p	0.8			V	
	Harmonic			-5	dBc	
	Load		10KΩ//10pF			
Frequency Stabilities	Frequency Tolerance	-1.5		+1.5	$\times 10^{-6}$	@25℃
	vs. Temperature Range	-1.5		+1.5	$\times 10^{-6}$	T_A varied from -30℃ to 85℃, measurement referenced to frequency observed with T_A=25℃, V_{cc}=1.8V, V_c=0.9V, O_{load}=10KΩ//10pF, temperature variable speed less than 2℃per minute.
	Frequency Tolerance vs. Supply Voltage	-0.2		+0.2	$\times 10^{-6}$	measurement referenced to frequency observed TA=25℃, Vcc varied from 1.70V to 1.90V, and OLoad=10KΩ//10pF
	Frequency Tolerance vs. Load	-0.2		+0.2	$\times 10^{-6}$	10% load change measurement referenced to frequency observed with T_A=25℃,V_{cc}=1.8V, and O_{Load}=10KΩ//10pF .
	Aging Tolerance Per Day	-0.02		+0.02	$\times 10^{-6}$	T_A=25℃, V_{cc}=1.8V, and after 1h of operation.
	Aging Tolerance 1 Year	-1		+1	$\times 10^{-6}$	
Power Supply	Operating Current			1.5	mA	@25℃, V_{cc}=1.8V

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Power Supply	Supply Voltage	1.70	1.80	1.90	V	
Phase Noise	Phase Noise @25℃			-78	dBc/Hz	10Hz
				-110	dBc/Hz	100Hz
				-130	dBc/Hz	1KHz
				-145	dBc/Hz	10KHz
				-145	dBc/Hz	100KHz
Voltage Control Characteristics	Frequency Tuning Range	-15		-9	$\times 10^{-6}$	V_c=0.1V. measurement referenced to V_c=0.9V
		-1.5		+1.5	$\times 10^{-6}$	V_c=0.9V. measurement referenced to Exactly 26.00MHz.
		+9		+15	$\times 10^{-6}$	V_c=1.7V. measurement referenced to V_c=0.9V
Environmental Conditions	Operable Temperature	-30		+85	℃	
	Storage Temperature	-40		+90	℃	
	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 (℃)	-10~35℃				

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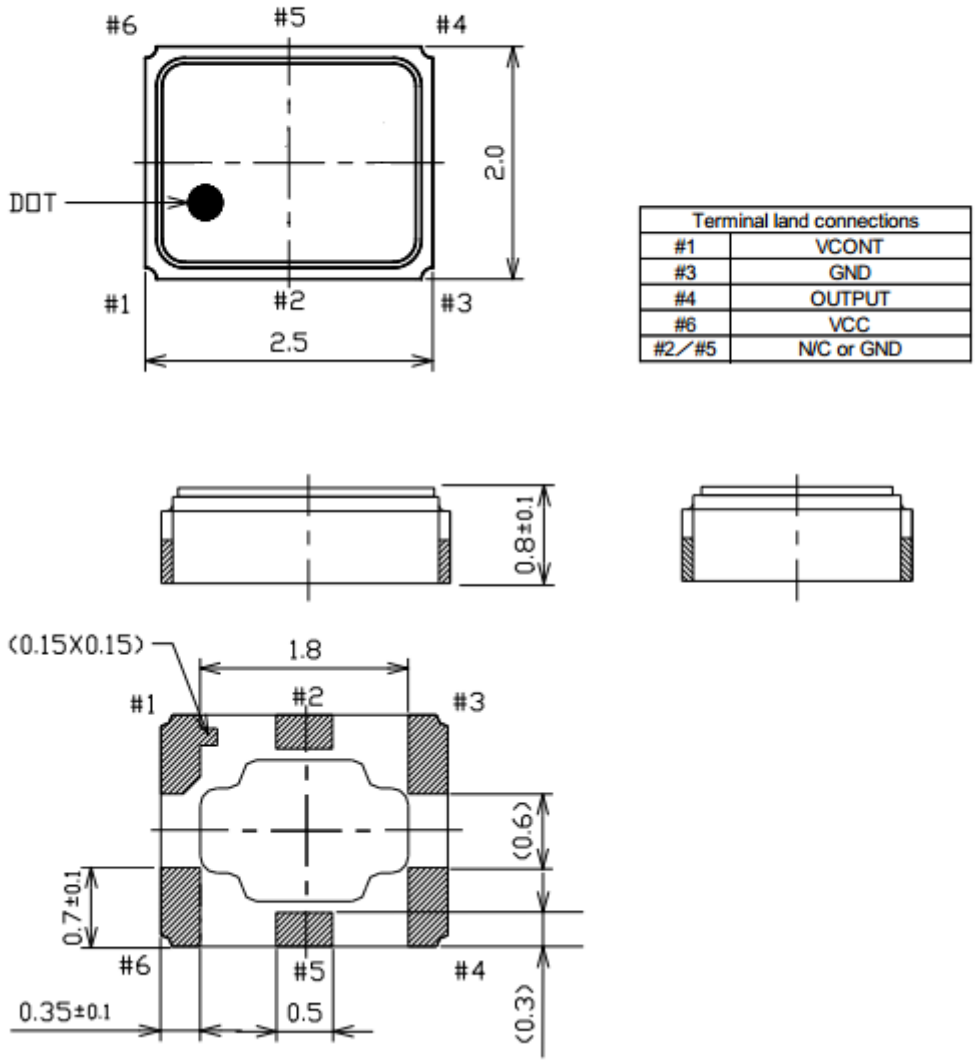
2. Mechanical Structure(mm)



Terminal land connections	
#1	VCONT
#3	GND
#4	OUTPUT
#6	VCC
#2／#5	N/C or GND

Note1: Tolerance ±0.2mm without mark

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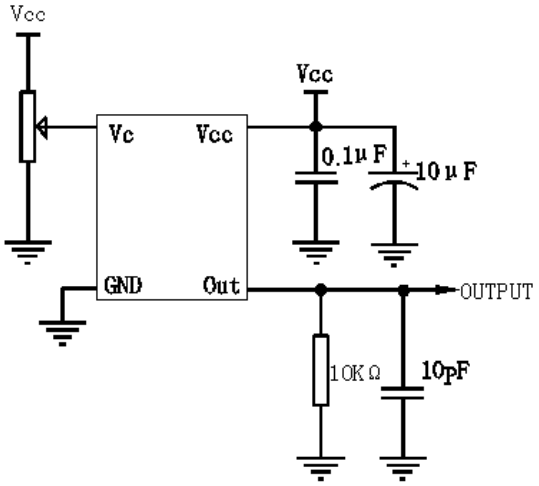
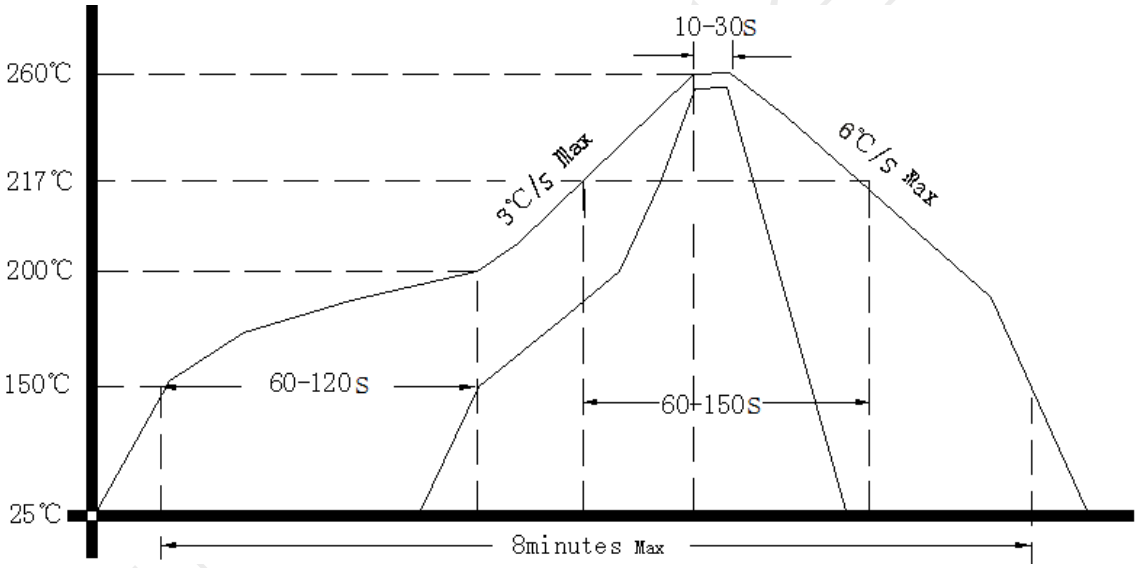
3. Test Circuit



4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)