Travelling Merchant:_____

DATASHEET

Standard: **T21-S579-26.00MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	
Amway.wei	Carry.Wang	Jason Zhao	
Date: 2020.04.17			Stamp, please! Thanks!

Guangdong Dapu Telecom Technology Co.,Ltd

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

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

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PR China
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Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	Amway	2020.04.17

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1. Electrical Parameters

MODEL: T21-S579-26.00MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	26.00			MHz	
	Output Waveform	Clipped Sine Wave				
	Vp-p	0.8		1.2	V	
	Start up time		2	10	s	
	Spurious Suppression			-10	dBc	
	Load	10KΩ//10pF				
Frequency Stabilities	Frequency Tolerance	-2		+2	$\times 10^{-6}$	@25℃
	vs. Temperature Range	-0.5		+0.5	$\times 10^{-6}$	T_A varied from -30℃ to 85℃, measurement referenced to frequency observed with T_A=25℃, V_{cc}=1.8V, O_{load}=10KΩ//10pF, temperature variable speed less than 2℃per minute.
		-3		+3	$\times 10^{-6}$	T_A varied from -40℃ to -30℃, measurement referenced to frequency observed with T_A=25℃, V_{cc}=1.8V, O_{load}=10KΩ//10pF, temperature variable speed less than 2℃per minute.
	Frequency Tolerance vs. Supply Voltage	-0.1		+0.1	$\times 10^{-6}$	5% Voltage change measurement referenced to frequency observed T_A=25℃, and O_{Load}=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 1 Year	-1		+1	$\times 10^{-6}$	T_A=25℃, V_{cc}=1.8V, and after 1h of operation.
	Aging Tolerance 10 Year	-4		+4	$\times 10^{-6}$	
	Jitter			8.5	ps	10Hz-1MHz
	Frequency Slope	-0.1		+0.1	$\times 10^{-6}$/℃	T_A varied from -30℃ to 85℃
		-0.5		+0.5	$\times 10^{-6}$/℃	T_A varied from -40℃ to -30℃
Power Supply	Operating Current			2	mA	@25℃, V_{cc}=1.8V
	Supply Voltage	1.7	1.8	1.9	V	

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Phase Noise	Phase Noise			-50	dBc/Hz	1Hz
				-78		10Hz
				-106		100Hz
				-130		1KHz
				-148		10KHz
Environmental Conditions	Operable Temperature	-40		+85	℃	
	Storage Temperature	-55		+125	℃	
	ESD Level	Human Body Model,class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.				
		Machine Model, class B: 200V to 400V; ANSI/ESDA/JEDEC JS-001-2010.				
	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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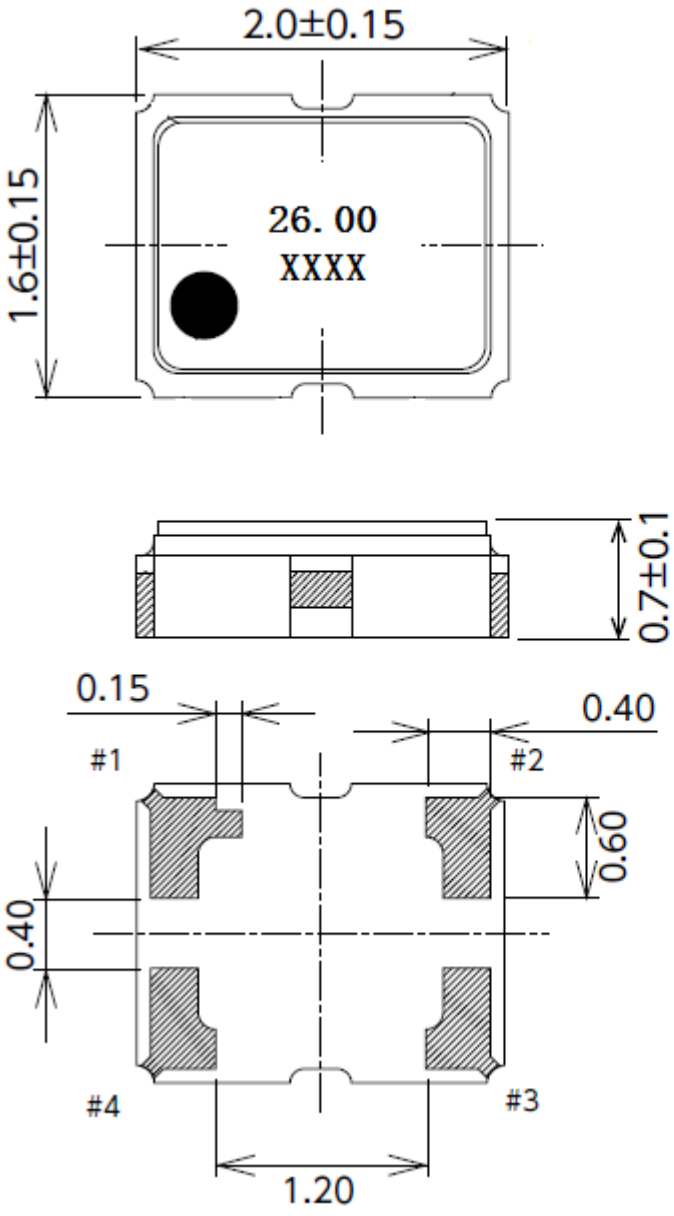
2. Mechanical Structure(mm)



PIN FUNCTION

PIN	FUNCTION
1	NC
2	GND
3	OUTPUT
4	VCC

Note1: Tolerance ±0.1mm without mark
Note2: Referential weight 0.008g
Note3: The first two xx representative: year
After two xx representative: week

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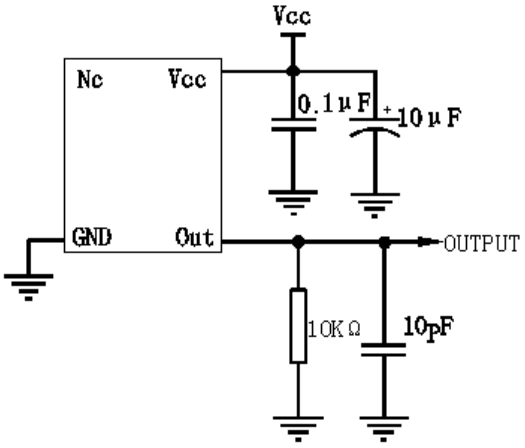
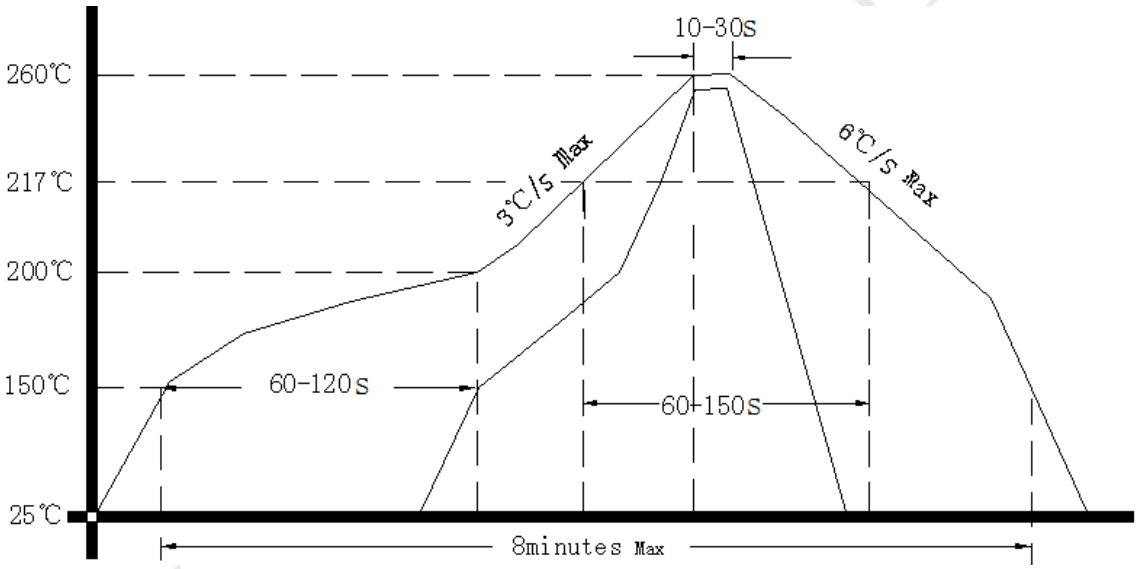
3. Test Circuit



4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)