Customer Code : _____

DATASHEET

DAPU P/N: **T32-V563-16.368MHz**

Customer P/N: _____

DAPU			Customer Approval
Drew	Audited	Approved	
Amway.wei	Carry.Wang	James.Liu	
Date: 2017.08.14			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	2017.08.14

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1. Electrical Parameters

MODEL： T32-V563-16.368MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		16.368		MHz	
	Output Waveform		Clipped Sine Wave			
	Vp-p	0.8		2.0	V	
	Load		10KΩ//10pF			
	Start Time			2.0	ms	
Frequency Stabilities	Frequency Tolerance vs. Operating 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℃.
	Nominal Frequency Tolerance	-2.0		+2.0	$\times 10^{-6}$	Measurement referenced to frequency observed with T_A=25℃, 1 hour after 2 times reflow.
	Frequency Tolerance vs. Supply Voltage	-0.2		+0.2	$\times 10^{-6}$	measurement referenced to frequency observed TA=25℃, supply voltage varied ±5%.
	Frequency Tolerance vs. Load	-0.2		+0.2	$\times 10^{-6}$	±10% load change measurement referenced to frequency observed with T_A=25℃.
	Aging Tolerance 1 Year	-1		+1	$\times 10^{-6}$	First year @25℃
Power Supply	Operating Current			2	mA	At maximum supply voltage .
	Supply Voltage	2.85	3.0	3.15	V	
Phase Noise	Phase Noise			-81	dBc/Hz	10Hz
				-108		100Hz
				-131		1KHz
				-145		10KHz
				-149		100KHz

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Voltage Control Characteristics	Frequency Tuning Range			-5	$\times 10^{-6}$	V_c=0.3V. measurement referenced to V_c=0.9V
		-2.0		+2.0	$\times 10^{-6}$	V_c=0.9V. measurement referenced to exactly 16.368MHz
		+5			$\times 10^{-6}$	V_c=1.5. measurement referenced to V_c=0.9V
	Linearity			10	%	
	Slope	Positive				
	Input Impedance	500			KΩ	
Environmental Conditions	Operable Temperature	-30		+85	℃	
	Storage Temperature	-40		+85	℃	
	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	Not humidity sensitive.				
	Vibration	Test Condition: 0.75mm ;acceleration:10g;10Hz～500Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X ,Y , Z), IEC 68-2-06 Test Fc.				
	Shock	50g; 11ms; 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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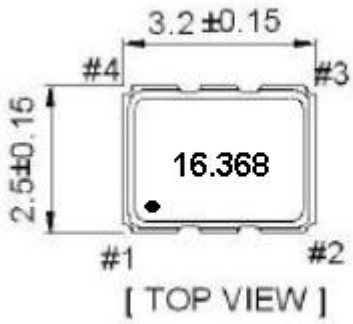
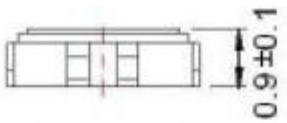
2. Mechanical Structure(mm)

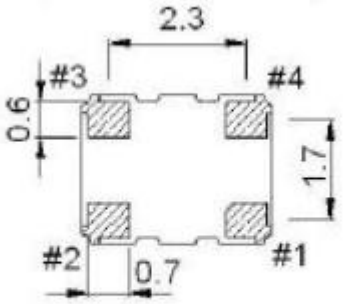


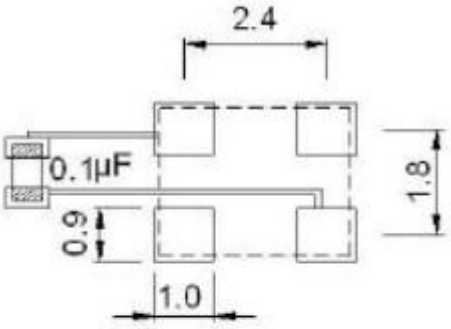
[TOP VIEW]



[SIDE VIEW]

[BOTTOM VIEW]





Recommened soldering pattern

Unit:mm

PIN FUNCTIONS

Pin	Function
#1	VCON
#2	GND
#3	Output
#4	V_{DD}

Note1: Tolerance ±0.1mm without mark

Note2: Referential weight 0.02g

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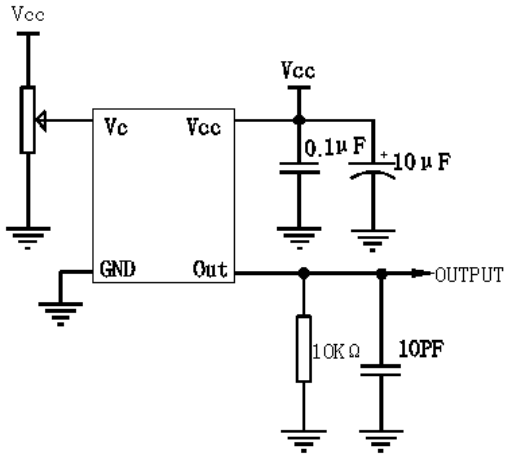
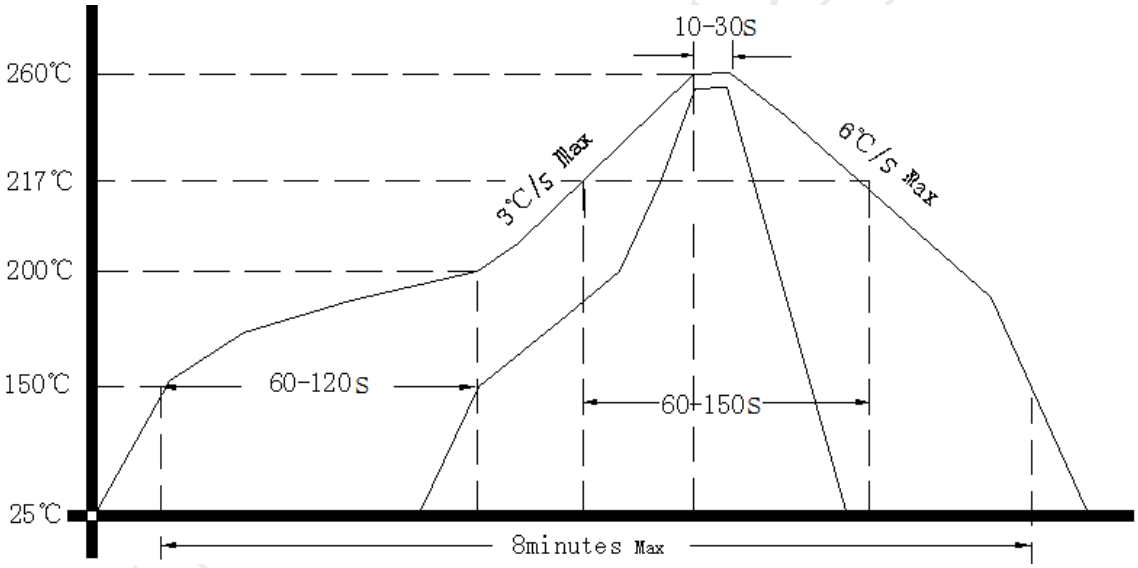
3. Test Circuit



4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)