Customer Code : _____

DATASHEET

DAPU P/N : **T32-S519-38.40MHz**

Customer P/N: _____

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Amway.wei	Carry.Wang	Jason Zhao	
Date: 2020.10.27			

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	2020.10.27

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1. Electrical Parameters

MODEL： T32-S519-38.40MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency		38.40		MHz	
	Output Waveform		Clipped Sine Wave			
	Enale Low Level Voltage			0.2Vcc	V	
	Enale High Level Voltage	0.8Vcc			V	
	Vp-p	0.8			V	
	Start Up Time			2	ms	@90% of final Vout level
	Harmonics			-5	dBc	
	Symmetry	40/60		60/40	%	Gnd level(DC cut)
	Load	9	10	11	KΩ/ pF	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-0.5		+0.5	$\times 10^{-6}$	T_A varied from -40 to 85℃, measurement referenced to frequency observed with $f_{ref}=(f_{max}+f_{min})/2$,$V_{cc}$=3.3V, O_{load}=10KΩ//10pF, temperature variable speed less than 2℃per minute.
	Initial Frequency Tolerance	-1.5		+1.5	$\times 10^{-6}$	T_A=25℃, leave after reflow in 2h of more at room ambient.
	Frequency Tolerance vs. Supply Voltage	-0.2		+0.2	$\times 10^{-6}$	measurement referenced to frequency observed T_A=25℃, V_{cc} varied from 3.13V to 3.47V, and O_{Load}=10KΩ//10pF.
	Frequency Tolerance vs. Load	-0.2		+0.2	$\times 10^{-6}$	5% load change measurement referenced to frequency observed with T_A=25℃, V_{cc}=3.3V, O_{Load}=10KΩ//10pF.
	Aging Tolerance 1 Year	-1		+1	$\times 10^{-6}$	T_A=25℃, V_{cc}=3.3V, and after 1h of operation.
Power Supply	Current Consumption			2	mA	@25℃, V_{cc}=3.3V, O_{load}=10KΩ//10pF.
	Stand-by Current			3	μA	Pin1 low level
	Supply Voltage	3.135	3.3	3.465	V	
Phase Noise	Phase Noise @25℃			-130	dBc/Hz	1KHz

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Environmental Conditions	Operable Temperature	-40		+85	℃	
	Storage Temperature	-55		+105	℃	
	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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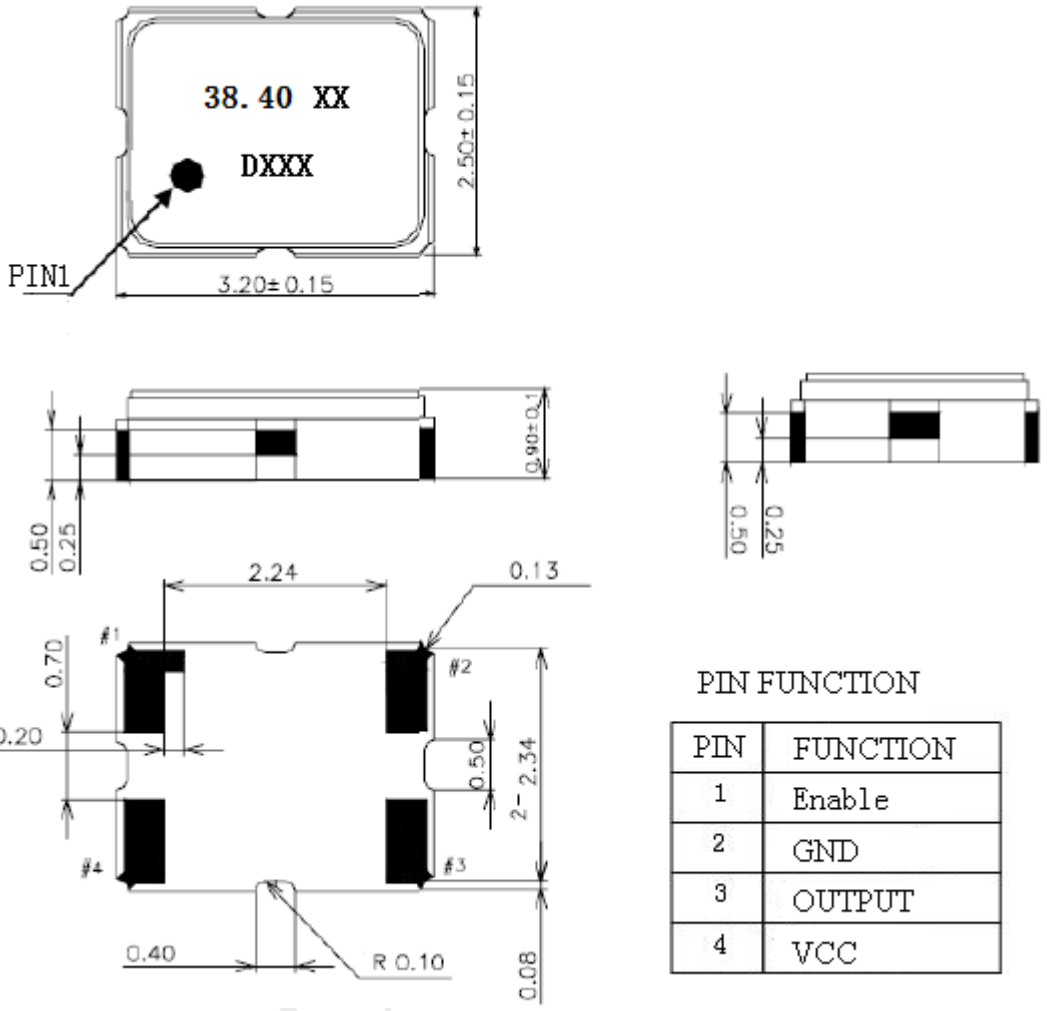
2. Mechanical Structure(mm)



PIN FUNCTION

PIN	FUNCTION
1	Enable
2	GND
3	OUTPUT
4	VCC

Note1: Tolerance ±0.2mm without mark

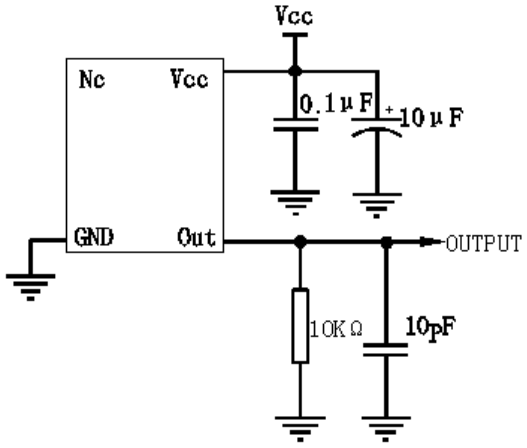
Note2: The first two XX represent the model code,

The latter X represents the year, and the last two XX represent the week.

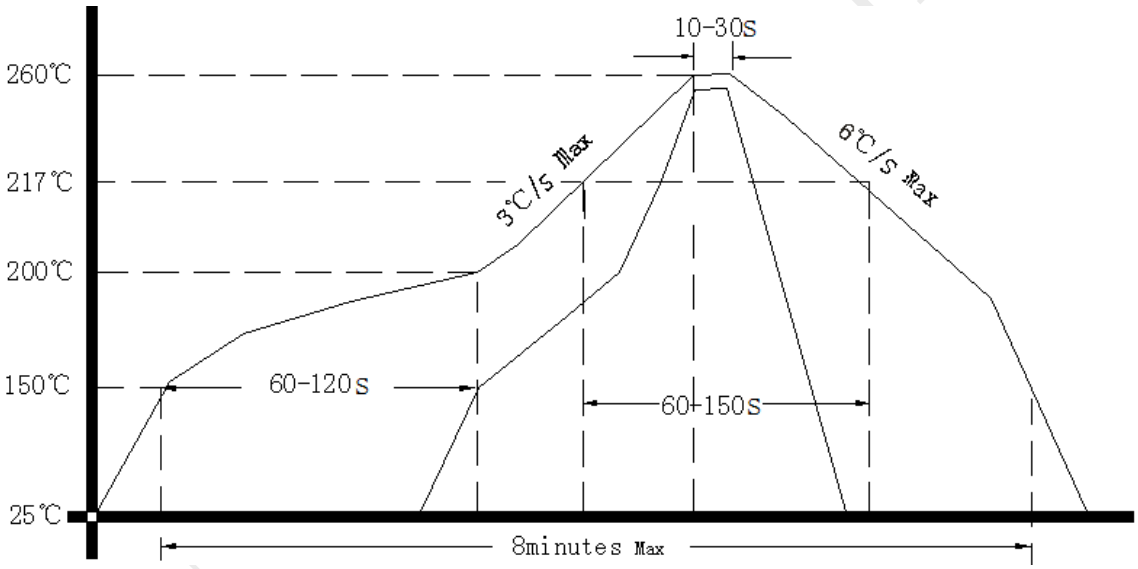
Note3: Referential weight 0.02g

Note4: NC is not connect

3. Test circuit



4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)