

Customer Code : \_\_\_\_\_

# DATASHEET

DAPU P/N: **T32-W579-26.00MHz**  
(X32ZCYH2600A)

Customer P/N: \_\_\_\_\_

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2015.06.10			

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### Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	<i>Amway</i>	2015.06.10

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## 1. Electrical Parameters

MODEL: T32-W579-26.00MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	26.00			MHz	
	Output Waveform	Clipped Sine Wave				
	Vp-p	0.8			V	
	Symmetry	40		60	%	GND level(DC cut)
	Load	10KΩ//10pF				
	Start Up			2.0	ms	@90% of final Vout level
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-0.5		+0.5	$\times 10^{-6}$	T <sub>A</sub> varied from -30°C to 85°C, measurement referenced to frequency observed with T <sub>A</sub> =25°C, V <sub>cc</sub> =2.8V, O <sub>load</sub> =10KΩ//10pF, temperature variable speed less than 2°C per minute.
	Initial Frequency Tolerance	-0.5		+0.5	$\times 10^{-6}$	Measurement referenced to frequency observed with T <sub>A</sub> =25°C, V <sub>cc</sub> =2.8V.
		-1		+1	$\times 10^{-6}$	After 2 times reflow with T <sub>A</sub> =25°C, referenced to frequency observed before reflow.
	Slope	-0.1		+0.1	$\times 10^{-6}/^{\circ}\text{C}$	Minimum of 1 frequency reading every 2°C, over -30°C to 85°C.
	Frequency Tolerance vs. Supply Voltage	-0.1		+0.1	$\times 10^{-6}$	measurement referenced to frequency observed T <sub>A</sub> =25°C, V <sub>cc</sub> varied from 2.66V to 2.94V, and O <sub>Load</sub> =10KΩ//10pF.
	Frequency Tolerance vs. Load	-0.1		+0.1	$\times 10^{-6}$	10% load change measurement referenced to frequency observed with T <sub>A</sub> =25°C, V <sub>cc</sub> =2.8V, and O <sub>Load</sub> =10KΩ//10pF.
	Short-Term Stability: Allan Variance			1	$\times 10^{-9}$	Tau=1s.
Aging Tolerance 1 Year	-1		+1	$\times 10^{-6}$	T <sub>A</sub> =Room ambient, V <sub>cc</sub> =2.8V, and after 1h of operation.	
Power Supply	Operating Current			1.5	mA	
	Supply Voltage	2.66	2.8	2.94	V	
Phase Noise	Phase Noise			-57	dBc/Hz	1Hz
				-85		10Hz
				-110		100Hz
				-130		1KHz
				-140		10KHz

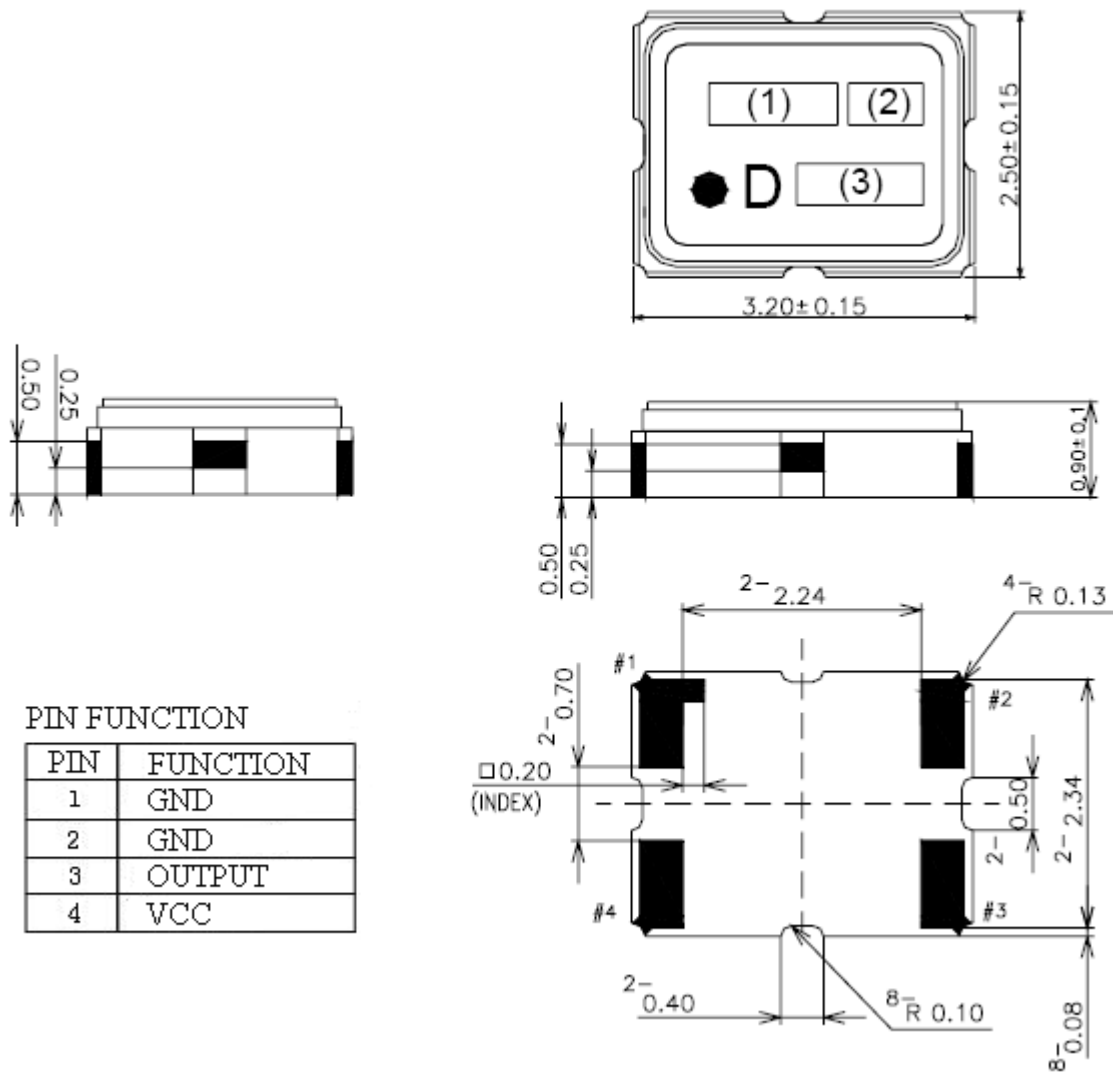


Environmental Conditions	Operable Temperature	-30		+85	°C	
	Storage Temperature	-40		+85	°C	
	ESD Level	Human Body Model,class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.				
		Machine Model, class B: 200V to 400V; ANSI/ESDA/JEDEC JS-001-2010.				
	Moisture Sensitivity Level	Level 2.				
	Vibration	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 (°C)	-10~35°C				

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## 2. Mechanical Structure(mm)



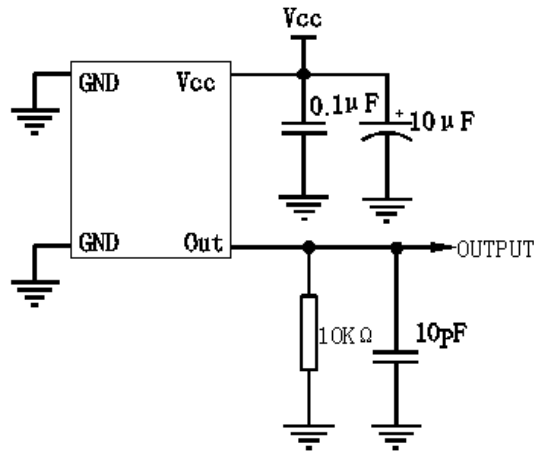
**Note1:** Tolerance ±0.15mm without mark

**Note2:** Referential Weight 0.03g

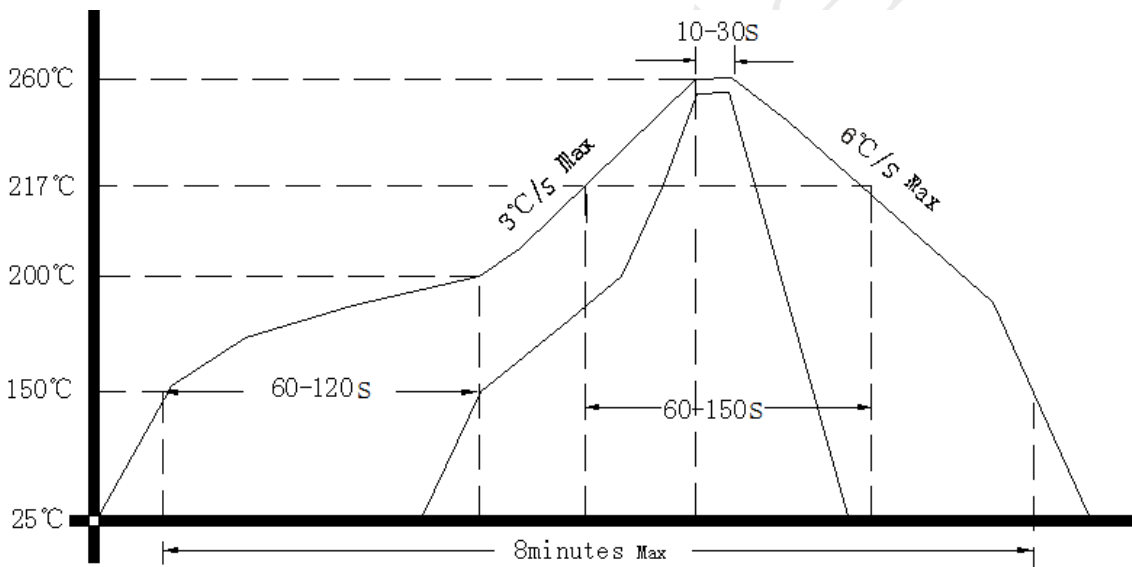
**Note3:** Marking: (1) Frequency 26.00(MHz,4digits)  
(2) Model code "T"  
(3) Date code Year(1digit) +Week(2digits)  
e.g.2008/1/1 → 801



### 3. Test Circuit



### 4. Reflow Soldering Curve (RoHS)



### 5. Package: Tape & Reel (mm)

