

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

# DATASHEET

DAPU P/N:                   **D32-40.00MHz**                    
                  **X32ZCYE4000H2**                  

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2017.03.14			

## 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





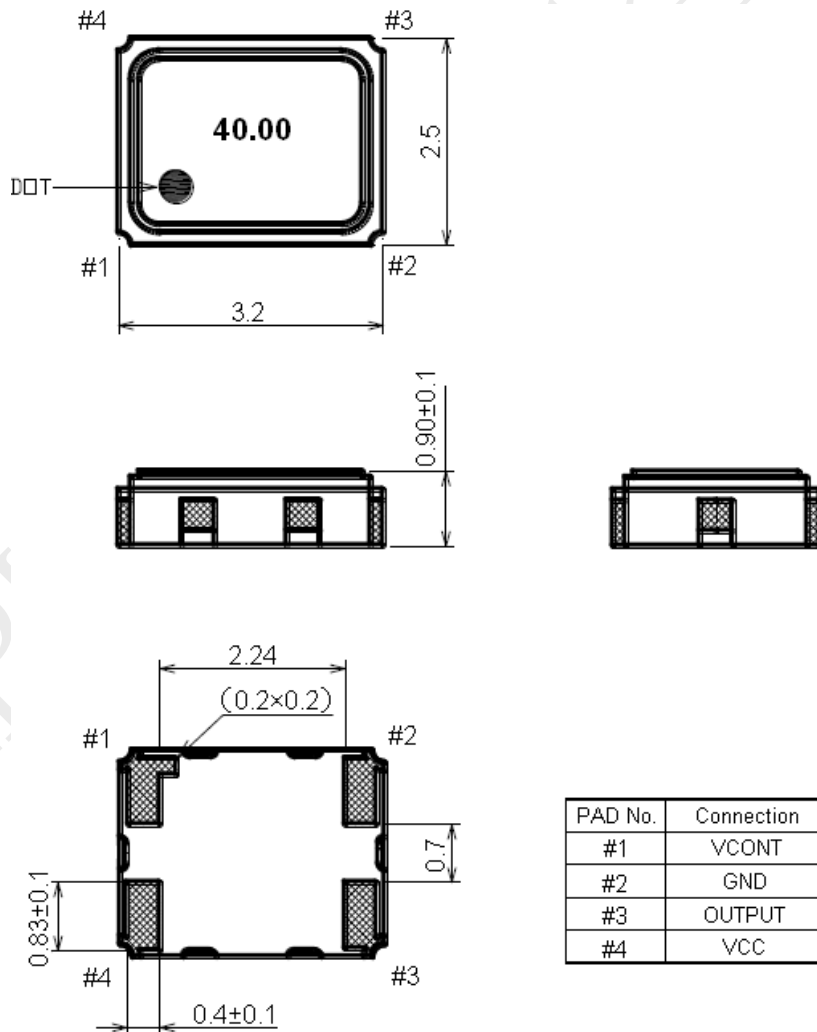
## 1. Electrical Parameters

MODEL: D32-40.00MHz								
No	Parameters		SYM.	Electrical Spec.			Units	Notes
				Min.	Typ.	Max.		
1	Nominal Frequency		FL	40.00			MHz	Original frequency
2	Supply Voltage		VDD	3.135	3.3	3.465	V	
3	Current consumption		-	-	-	2.0	mA	
4	Output Level		-	0.8	-	-	Vp-p	
5	Output Waveform		-	Clipped Sine wave			-	
6	Standard Output Load		-	10KΩ//10pF			-	
7	Frequency Stability	vs. Tolerance	-	-1.5	-	+1.5	$\times 10^{-6}$	at +25±2°C, before reflow soldering, based on nominal frequency
8		vs. Temperature	-	-0.5	-	+0.5	$\times 10^{-6}$	TA=-30~+85°C Ref. to Frequency (TA=+25° C)
			-	-1.0	-	+1.0	$\times 10^{-6}$	TA=-40~-30°C Ref. to Frequency (TA=+25° C)
9		vs. Load	-	-0.2	-	+0.2	$\times 10^{-6}$	Load:10KΩ//10Pf, ±5% each
10		vs. Supply Voltage	-	-0.2	-	+0.2	$\times 10^{-6}$	+3.3 V +/-5%
11	Operating Temperature Range		-	-40	~	+85	°C	
12	Storage Temperature		-	-40	~	+85	°C	
13	Start Up Time		-	-	-	2.0	ms	@90% of final Vout level
14	Duty Cycle		-	40	~	60	%	
15	Aging		-	-1.0	-	+1.0	$\times 10^{-6}$	1st Year
16	Frequency Tuning Range		-	-15	-	-9	$\times 10^{-6}$	V <sub>c</sub> = 0.5 V. measurement referenced to V <sub>c</sub> =1.5V
17			-	+9	-	+15	$\times 10^{-6}$	V <sub>c</sub> =2.5V.measurement referenced to V <sub>c</sub> =1.5V
18	Linearity		-	-	-	10	%	
19	slope			Positive				
20	Input Impedance		-	500	-	-	KΩ	
21	Phase Noise @25°C	@ 1KHz Offset	-	-	-	-125	dBc/Hz	



22	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.	
23	Moisture Sensitivity Level	Level 2.	
24	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.	
25	Shock	100g; 6ms; half sine wave (3 times for each 3 directions X ,Y, Z ),IEC 68-2-27 Test Ea/Severity 50A.	
26	Full Package Storage	Relative humidity (%)	20%~70%
		Temperature (°C)	-10~35°C

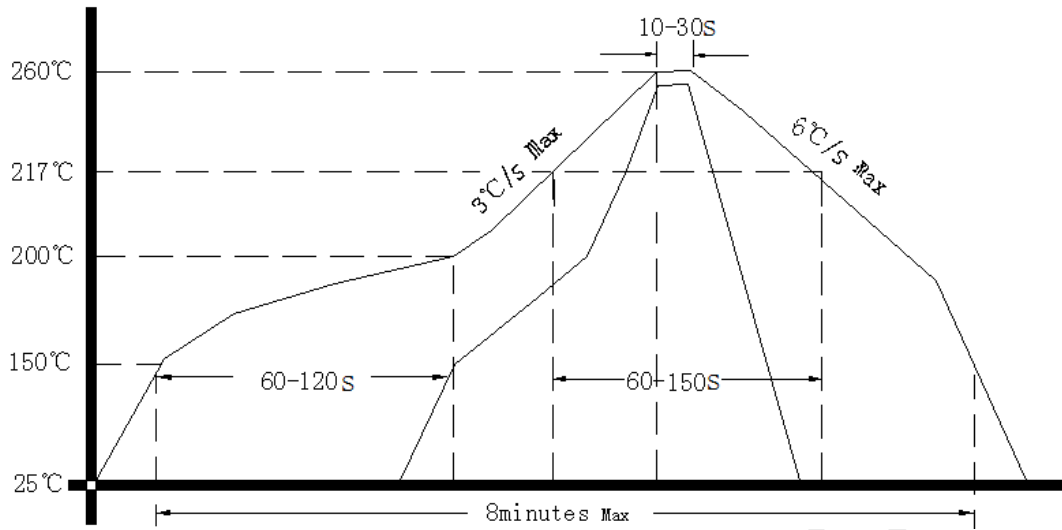
## 2、Mechanical Structure(mm)



Note1: Tolerance ±0.2mm



### 3、 Reflow Soldering Curve (RoHS)



### 4、 Package: Tape & Reel (mm)

