

Travelling Merchant: _____

DATASHEET

Standard: **D32-12.80MHz** **TEMPH200161**

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2014.04.29			

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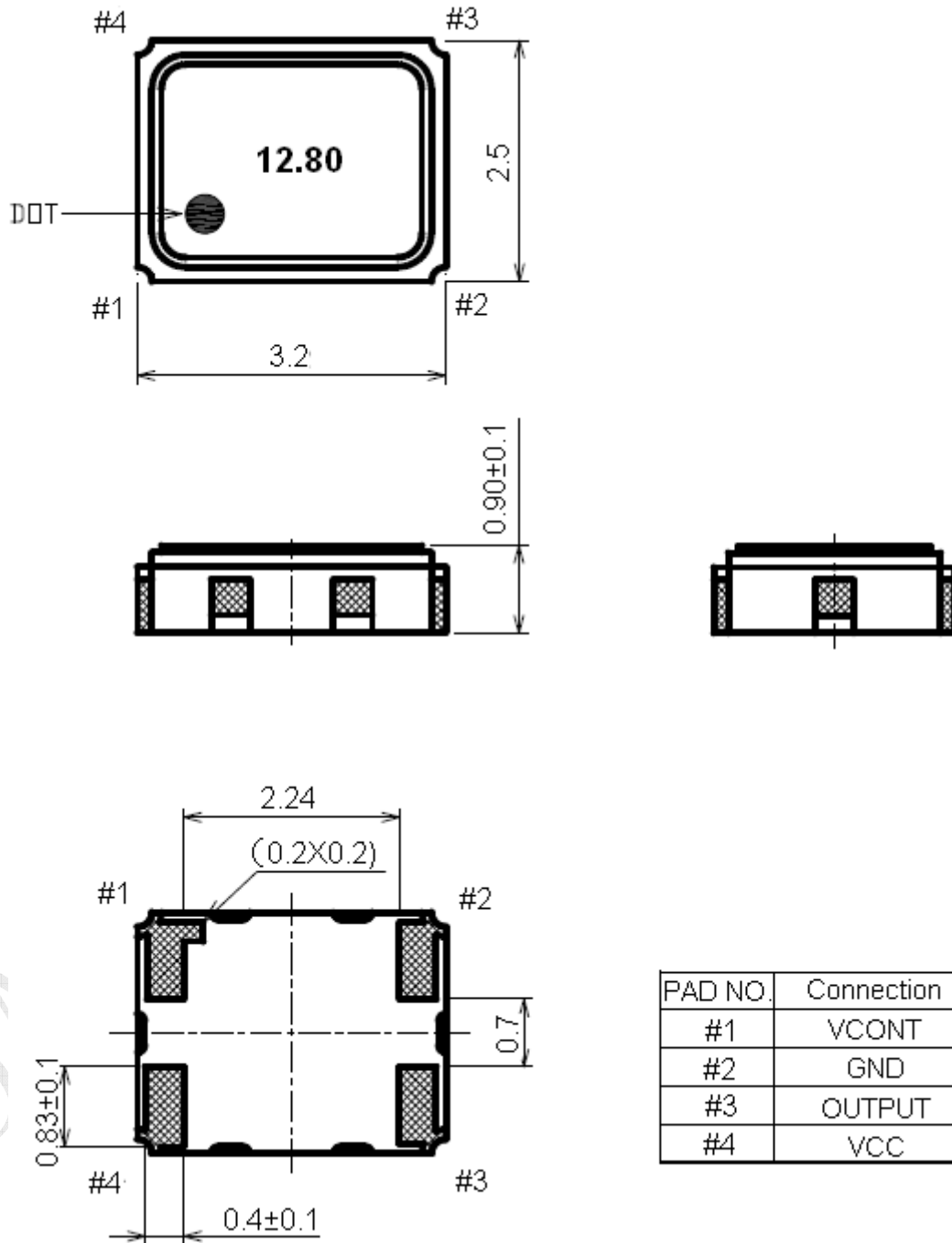
1、 Electrical Parameters

MODEL: D32-12.80MHz							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	12.80			MHz	One frequency-division
2	Supply Voltage	VDD	2.85	3.0	3.15	V	
3	Current Drain	-	-	-	1.5	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	-1.0	-	+1.0	$\times 10^{-6}$	After 2 times reflow Ref. to Nominal Frequency
8		vs. Temperature	-0.5	-	+0.5	$\times 10^{-6}$	T _A varied from -30°C to +85°C, Ref. to Frequency T _A =25°C
9		vs. Load	-0.2	-	+0.2	$\times 10^{-6}$	L _{OAD_R} //C=(10k Ω //10pF)±10%
10		vs. Supply Voltage	-0.2	-	+0.2	$\times 10^{-6}$	V _{cc} =+3.0V±5%
11	Operating Temperature Range	-	-30	~	+85	°C	
12	Storage Temperature	-	-40	~	+85	°C	
13	Aging	-	-1.0	-	+1.0	$\times 10^{-6}$	1st Year
14	Duty Cycle	-	40	~	60	%	
15	Start Up Time	-	-	-	2.0	ms	@90% of final Vout level
16	Frequency Tuning Range	-	-15	-	-9	$\times 10^{-6}$	V _c =0.5 V. measurement referenced to V _c =1.5V
17		-	+9	-	+15	$\times 10^{-6}$	V _c =2.5V.measurement referenced to V _c =1.5V
18	Linearity	-	-	-	10	%	
19	Slope	-	Positive				
20	Input Impedance	-	500	-	-	KΩ	
21	Phase Noise	@ 1KHz Offset	-	-	-	-135	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.
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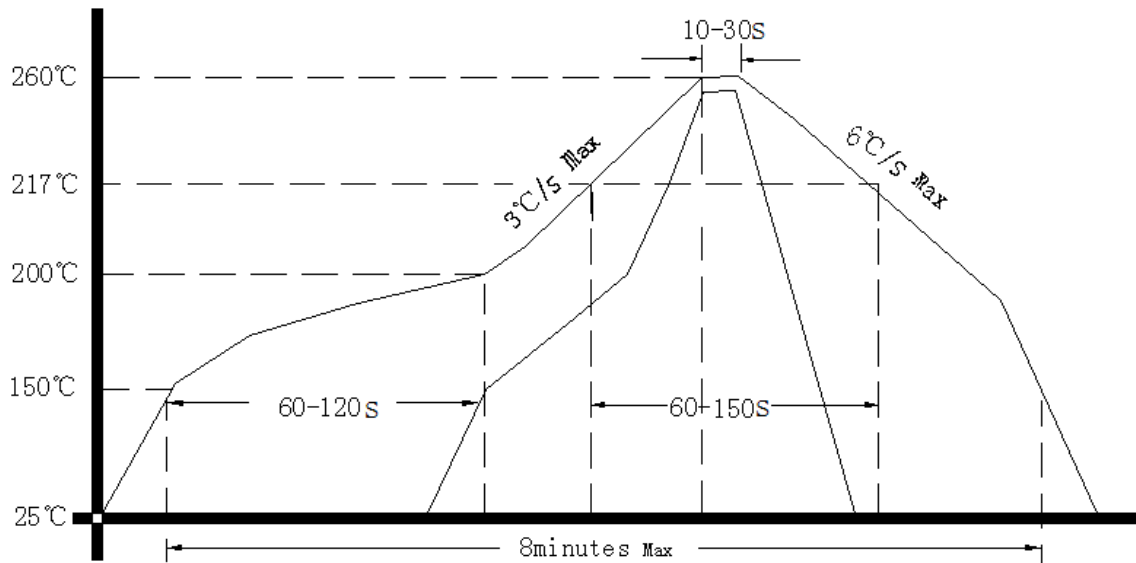
2、 Mechanical Structure(mm)



Note1: Tolerance ±0.2mm



3、Reflow Soldering Curve (RoHS)



4、Package: Tape & Reel (mm)

