Travelling Merchant:_____

DATASHEET

Standard: **D32-15.36MHz**

X3225YF15361

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Amway.wei	Carry.Wang	James.Liu	
Date: 2011.09.16			

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1、 Electrical Parameters

MODEL： D32-15.36MHz

No.	Parameters		SYM.	Electrical Spec.				Notes
				Min.	Typ.	Max.	Units	
1	Nominal Frequency		FL		15.36		MHz	
2	Frequency Tolerance		-	-1.5	-	+1.5	$\times 10^{-6}$	at +25±2°C, 2hours or more at room ambient after 2 times reflow, based on nominal frequency
3	Operating Temperature Range		-	-40	~	+85	℃	
4	Supply Voltage		VDD	3.135	3.3	3.465	V	
5	Current Drain		-	-	-	1.5	mA	
6	Output Level		-	0.8	-	-	Vp-p	
7	Output Waveform		-		Clipped Sine wave		-	
8	Standard Output Load		-		1KΩ//5pF		-	
9	Frequency Stability	vs. Temperature	-	-0.5	-	+0.5	$\times 10^{-6}$	T_A varied from-30℃ to +85℃, Ref. to Frequency T_A=25℃
			-	-2	-	+2	$\times 10^{-6}$	T_A varied from-40℃ to -30℃, Ref. to Frequency T_A=25℃
10		vs. Load	-	-0.2	-	+0.2	$\times 10^{-6}$	±10% load change measurement referenced to frequency observed with T_A= 25℃, V_{cc}=3.3V, O_{Load}= 1KΩ//5pF .
11		vs. Supply Voltage	-	-0.2	-	+0.2	$\times 10^{-6}$	V_{cc} varied from 3.135V to 3.465V
12	Storage Temperature		-	-40	~	+85	℃	
13	Start Up Time		-	-	-	2	ms	@90% of final Vout level
14	Aging		-	-1	-	+1	$\times 10^{-6}$	over 1st Year
15	Frequency Tuning Range		-	-15	-	-9	$\times 10^{-6}$	V_c= 0.5 V. measurement referenced to V_c=1.5V
16			-	+9	-	+15	$\times 10^{-6}$	V_c=2.5V.measurement referenced to V_c=1.5V
17	Linearity		-	-	-	10	%	
18	Slope				Positive			
19	Input Impedance		-	500	-	-	KΩ	
20	Phase Noise	@ 10Hz Offset	-	-	-	-88	dBc/Hz	
21		@ 100Hz Offset	-	-	-	-114		
22		@ 1KHz Offset	-	-	-	-135		
23		@ 10KHz Offset	-	-	-	-146		
24		@ 100KHz Offset	-	-	-	-149		
25		@ 1MHz Offset	-	-	-	-150		

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26	ESD Level	Human Body Model,class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.
27		Machine Model, class B: 200V to 400V; ANSI/ESDA/JEDEC JS-001-2010.
28	Moisture Sensitivity Level	Level 2.
29	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.
30	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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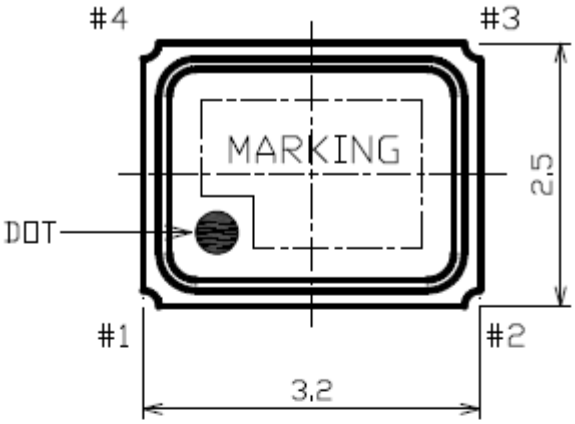
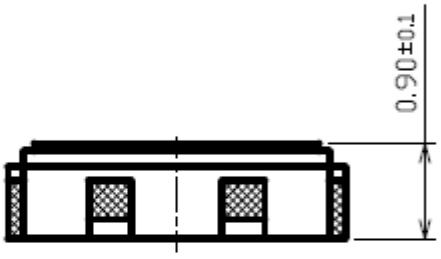
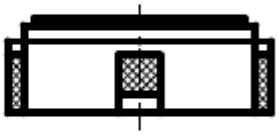
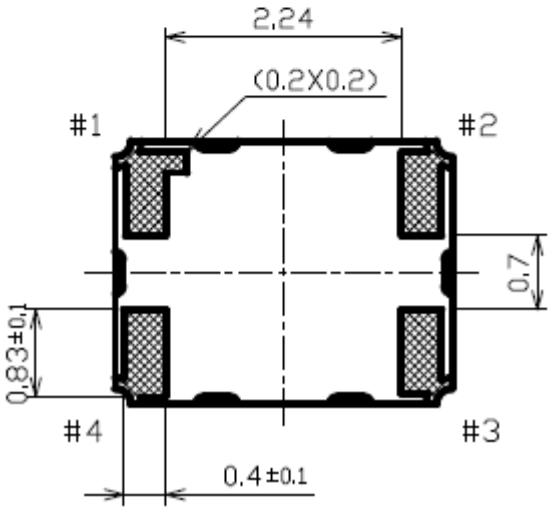
2、Mechanical Structure(mm)









PAD No.	Connection
#1	VCONT
#2	GND
#3	OUTPUT
#4	VCC

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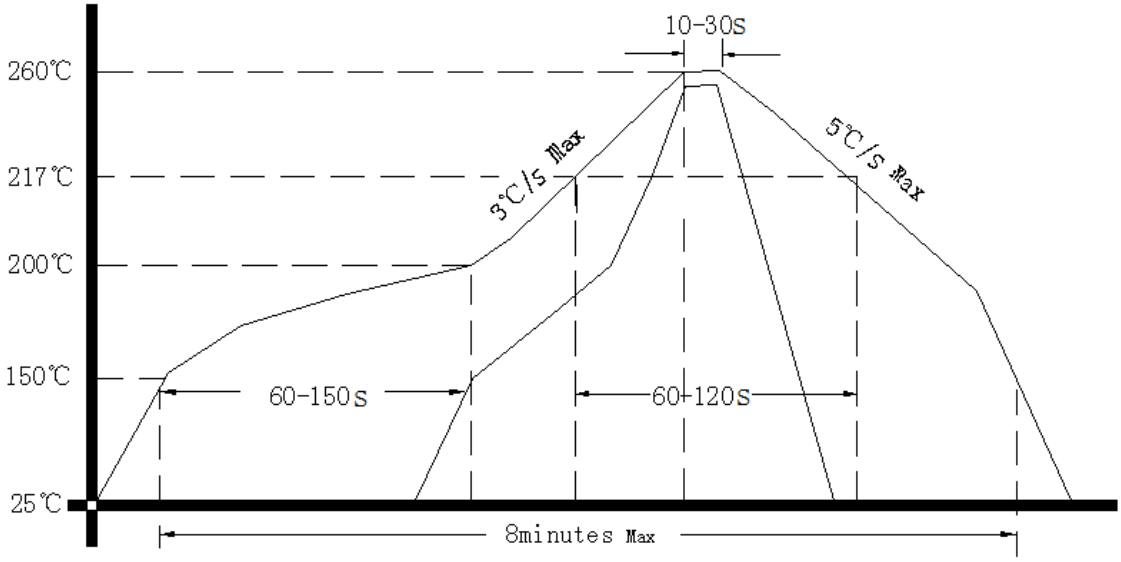
3、Reflow Soldering Curve (RoHS)



4、Package: Tape & Reel (mm)