

Travelling Merchant: _____

DATASHEET

Standard: **D53-11.0592MHz** **X53YF11060**

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2013.04.20			

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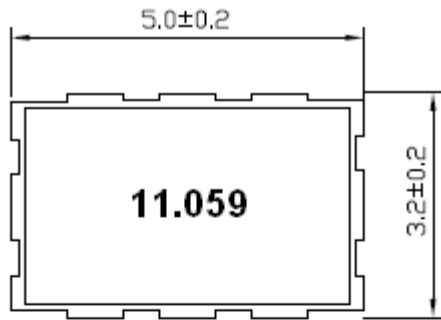
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**1、 Electrical Parameters**

MODEL: D53-11.0592MHz								
No.	Parameters	SYM.	Electrical Spec.				Notes	
			Min.	Typ.	Max.	Units		
1	Nominal Frequency	FL	11.0592			MHz		
2	Supply Voltage	VDD	3.135	3.3	3.465	V		
3	Current Drain	-	-	-	3	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	$\times 10^{-6}$	@25±3°C Sixty minutes after reflow.
8		vs. Temperature	-	-1	-	+1	$\times 10^{-6}$	T _A varied from-30°C to 75°C, Ref. to Frequency T _A =25°C
			-	-2	-	+2	$\times 10^{-6}$	T _A varied from-40°C to 85°C, Ref. to Frequency T _A =25°C
9		vs. Load	-	-0.2	-	+0.2	$\times 10^{-6}$	±10%
10		vs. Supply Voltage	-	-0.2	-	+0.2	$\times 10^{-6}$	V _{cc} varied from 3.135V to 3.465V
11	Operating Temperature Range	-	-30	~	+75	°C		
12	Storage Temperature	-	-40	~	+85	°C		
13	Duty Cycle	-	45	~	55	%		
14	Aging	-	-1.0		+1.0	$\times 10^{-6}$	Per year (AT 25°C± 5°C)	
15	Frequency Tuning Range	-	10	-	-	$\times 10^{-6}$	@1.5+/-1V	
16	Linearity	-	-	-	10	%		
17	Slpoe	-	Positive					
18	Input Impedance	-	100	-	-	KΩ		
19	Phase Noise	@ 1KHz Offset	-	-	-	-130	dBc/Hz	
20	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.						
21	Moisture Sensitivity Level	Level 2.						
22	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.						
23	Shock	100g; 6ms; half sine wave (3 times for each 3 directions X ,Y , Z),IEC 68-2-27 Test Ea/Severity 50A.						



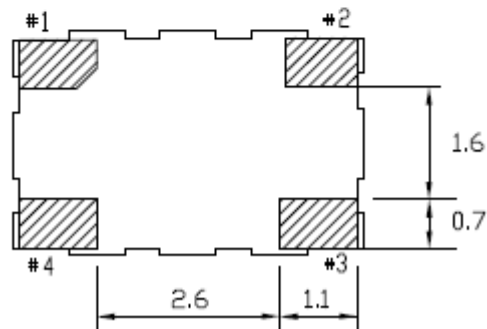
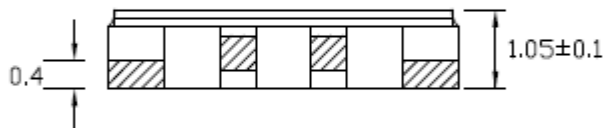
2、Mechanical Structure(mm)



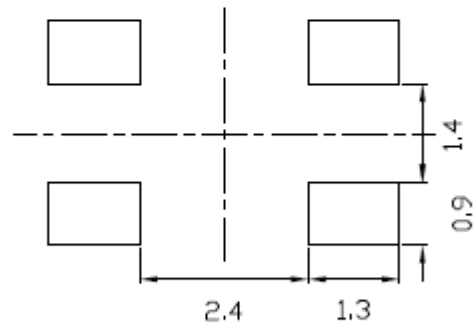
TOP VIEW



LAND PATTERN (REFERENCE)



BOTTOM VIEW

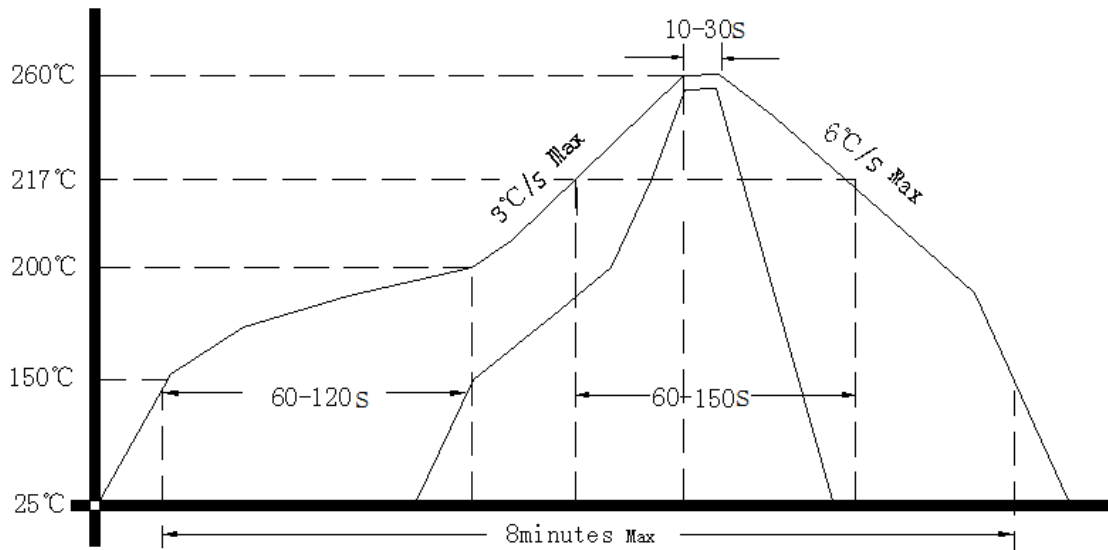


PIN NO.	CONNECTION
#1	VC
#2	GND
#3	OUTPUT
#4	VCC

Note1: Tolerance $\pm 0.2\text{mm}$



3、Reflow Soldering Curve (RoHS)



4、Package: Tape & Reel (mm)

