



## Dynamic Engineers Inc.

2550 Gray Falls Dr., Suite#128, Houston, TX, 77077 USA  
TEL: 1-281-870-8822 EMAIL: Sales@DynamicEng.com

**XO7500AC-50MHz-A**

**5mm x 7mm SMD Oscillator**

### Features and Benefits

5mm x 7mm x 1.4mm max. ceramic oscillator  
Less than +/- 50ppm over -40°C to +85°C  
3.3V supply voltage  
40mA max. current

### Typical Applications

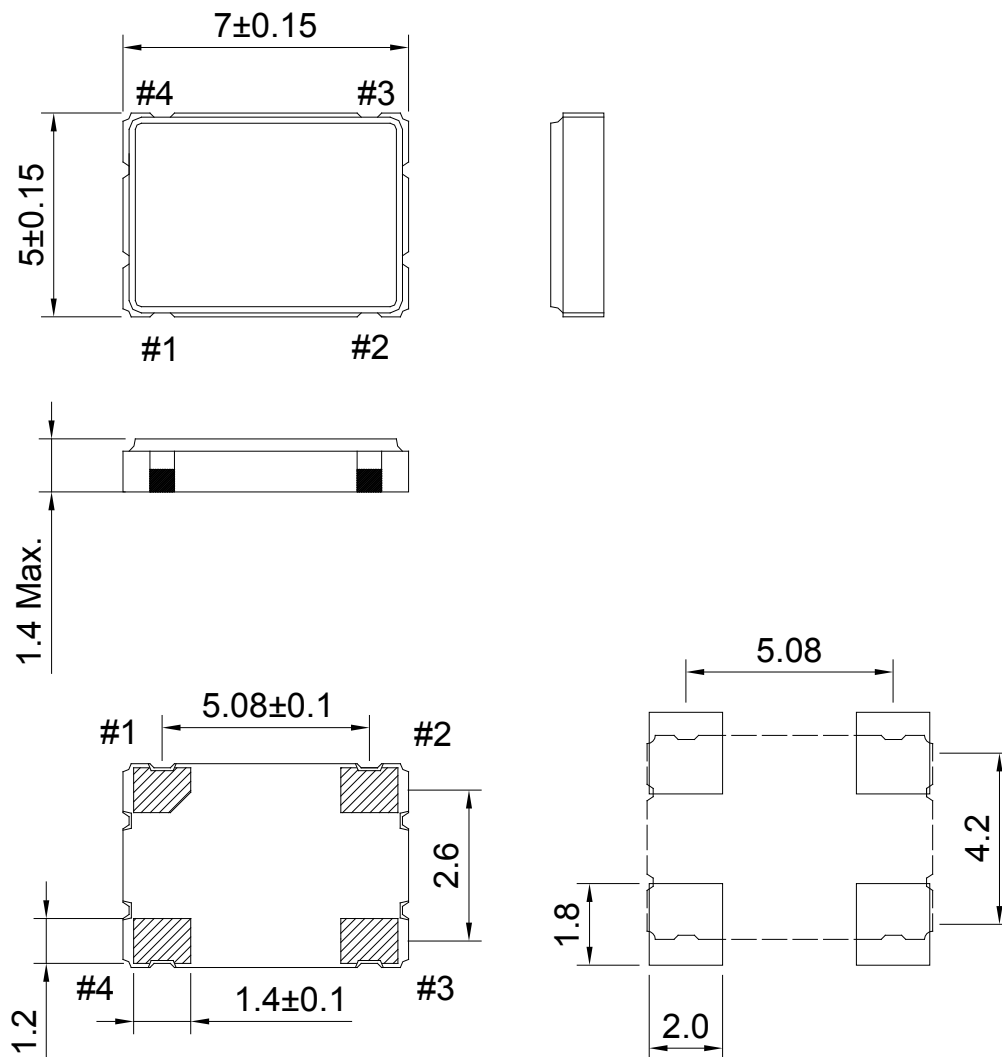
Processor Clock Reference

### Description

HCMOS clock oscillator in standard 5 x 7 mm SMD ceramic package.

### Mechanical Drawing & Pin Connections

**Drawing No: MD150027-1**



**Unit : mm**  
**1mm=0.039inch**



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### Specifications

Oscillator Specification	Sym	Condition	Value			Unit	Note
			Min.	Typ.	Max.		
Frequency Range				50		MHz	
<b>RF Output</b>							
Output Wave Form			HCMOS				
Load				15		pF	
Duty Cycle				40/60		%	
Rise/Fall Time					10	nS	
<b>Power Supply</b>							
Supply Voltage	V <sub>CC</sub>		2.97	3.3	3.63	V	
Supply Current					40.0	mA	
<b>Frequency Stability</b>							
Vs. Temperature		From -40°C to +85°C			+/-50	ppm	
<b>Environmental Conditions</b>							
Operating temperature range	-40°C to +85°C						