

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

**PACKAGE DIMENSIONS (mm)**

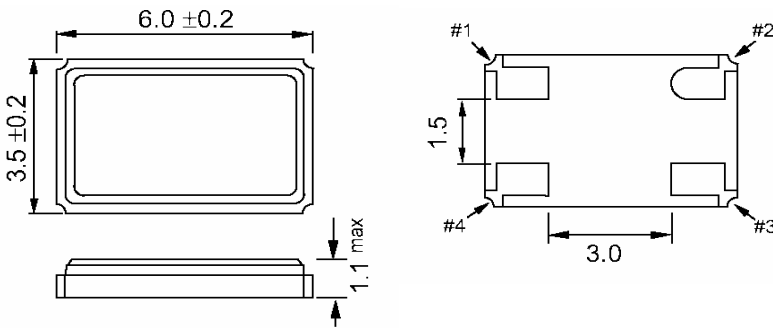


Figure 1) Top, Side and Bottom View

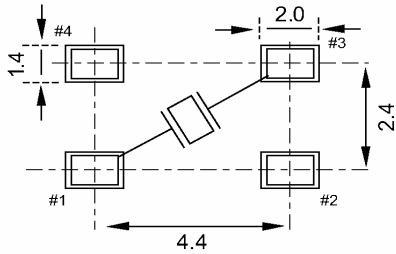


Figure 2) Land Pattern

**ELECTRICAL SPECIFICATIONS**

Frequency: 12.000000 MHz  
 \* Frequency Stability: ± 20 ppm Max.  
 Crystal Cut: AT Strip  
 Load Capacitance (CL): 9 pF  
 Recommended Drive Level: 100 μW Max.  
 Effective Series Resistance: 40 Ω Max.  
 Shunt Capacitance: 3 pF Max.  
 Mode of Operation: Fundamental  
 Storage Temperature: -40 to +85°C  
 Operating Temperature: -20 to +70°C  
 Package Type: ECX-64

**ECS Part Number: ECS-120-CDX-0330**

\* Inclusive of Frequency tolerance @ +25°C, Frequency stability over the operating temperature of -20 to +70°C, and aging for 3 years.



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SIGNATURES		DATE	TITLE	
DRN <b>RC</b>		9/19/2005	<b>12.0 MHz Crystal, SMD, Tight Tolerance</b>	
CHK <b>BL</b>		9/19/2005		
APP <b>DK</b>		9/19/2005		
			SIZE A	REV
Dimensions in mm		CAGE CODE: 1G8B7	DWG NO. ECS-120-CDX-0330	SHEET 1 OF 1