

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PACKAGE DIMENSIONS (mm)

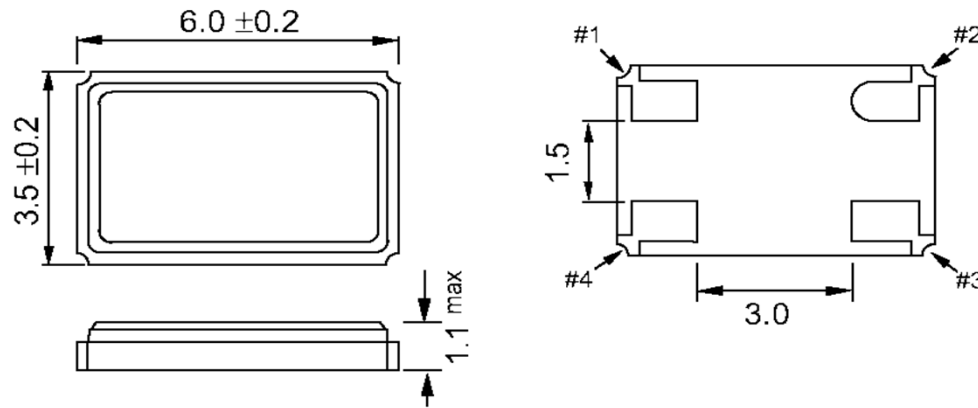


Figure 1) Top, Side and Bottom View

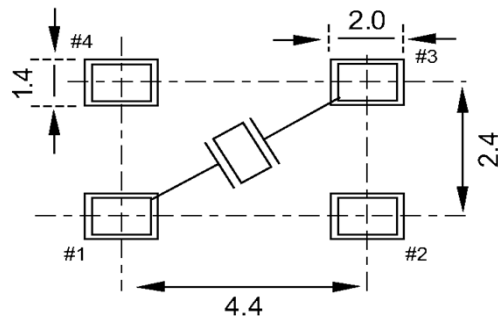


Figure 2) Land Pattern



ELECTRICAL SPECIFICATIONS

Frequency: 12.000000 MHz

* Frequency Stability: ± 20 ppm Max.

Crystal Cut: AT Strip

Load Capacitance (CL): 9 pF

Recommended Drive Level: 100 μ W 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-CD-0330

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

ECS INC. INTERNATIONAL

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SIGNATURES	DATE	TITLE	
DRN BL	1/10/2002	12.0 MHz Crystal, SMD, Tight Tolerance	
CHK DK	1/10/2002		
APP BS	1/10/2002		
		SIZE A	DWG NO. ECS-120-CD-0330
Dimensions in mm		CAGE CODE: 1G8B7	REV
			SHEET 1 OF 1