

REVISIONS			
REV	DESCRIPTION	DATE	APPROVED

PACKAGE DIMENSIONS (mm)

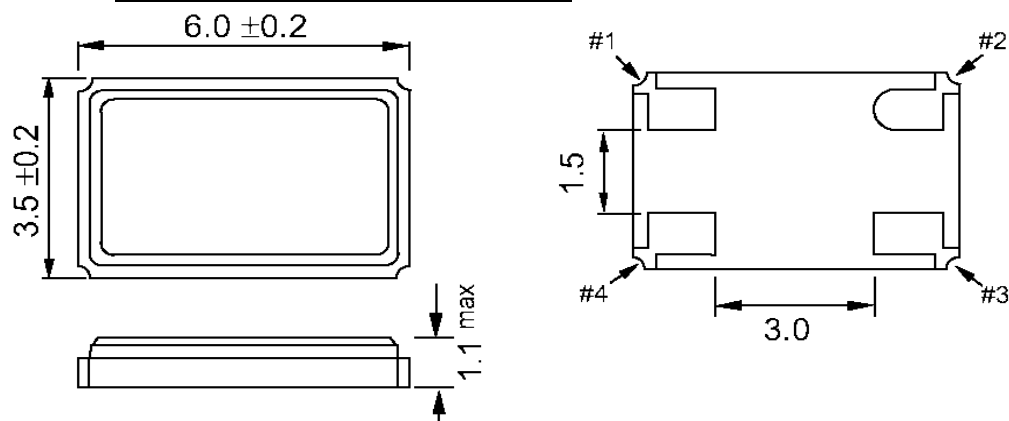


Figure 1) Top, Side and Bottom View

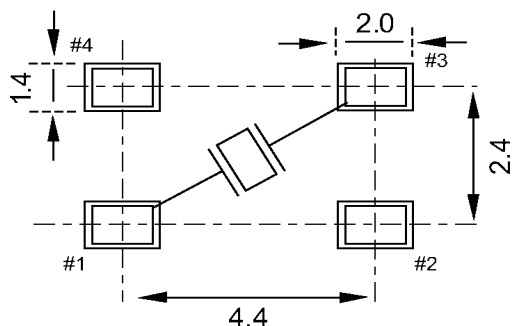


Figure 2) Land Pattern

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
 1105 S. Ridgeview
 Olathe, KS 66062
 (913) 782-7787

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	REV
Dimensions in mm		DWG NO. ECS-120-CD-0330	
		CAGE CODE: 1G8B7	SHEET 1 OF 1