

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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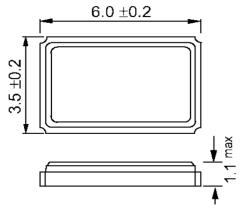






REVISIONS						
REV	DESCRIPTION	DATE	APPROVED			

PACKAGE DIMENSIONS (mm)



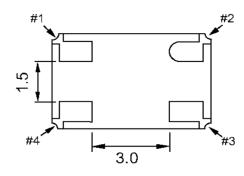
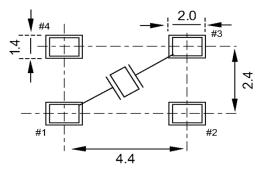


Figure 1) Top, Side and Bottom View







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 ℃

Operating Temperature: -20 to +70 ℃

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