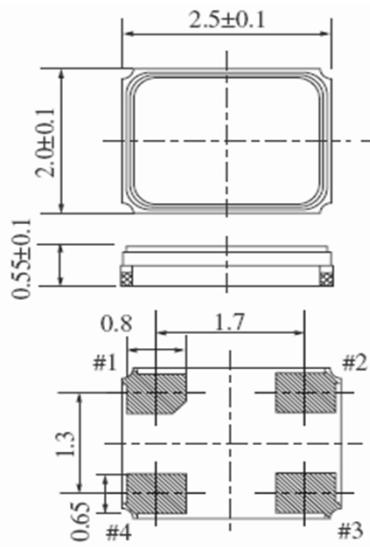
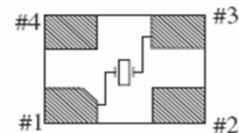


REVISIONS			
REV	DESCRIPTION	DATE	APPROVED
A	Updated Storage Temperature	3/3/2008	DK

PACKAGE DIMENSIONS (mm)

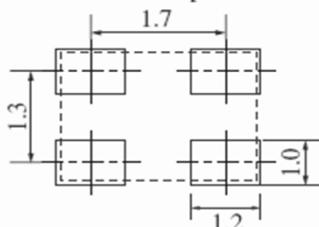


Internal connections (Top View)



Note) #2, #4 is connected with a cover
(Please connect with a GND or a power supply)

Reference land pattern



ELECTRICAL SPECIFICATIONS

Frequency: 20.000000 MHz

Frequency Tolerance @ +25 °C: ± 25 ppm Max.

Frequency Stability (Ref @ +25 °C -40 to +85 °C): ±30ppm Max.

Crystal Cut: AT Strip

Load Capacitance (CL): 8.0 pF

Recommended Drive Level: 100 µW Max.

Effective Series Resistance: 60 Ω Max.

Shunt Capacitance: 5 pF Max.

Mode of Operation: Fundamental

Storage Temperature: -55 to +125 °C

Operating Temperature: -40°C to +85 °C

Aging: ± 5 ppm Max./Year

Package Type: ECX-2236



Figure 1: Top, Side, and Bottom Views

* This crystal has been qualified by Linear Technology for use with the Eterna mesh-networking family of products. Network operation relies on timing more precise than provided by the crystal accuracy itself, requiring that crystals be characterized and qualified.

P/N: ECS-200-CDX-0778

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

SIGNATURES	DATE	TITLE	20.00 MHz Crystal, SMD, Tight Tolerance	
DRN MR	9/11/2007			
CHK DK	9/11/2007			
APP BS	9/11/2007	SIZE	DWG NO. ECS-200-CDX-0778	
		A		REV A
Dimensions in mm		CAGE CODE: 1G8B7		SHEET 1 OF 1