

PACKAGE DIMENSIONS (mm)

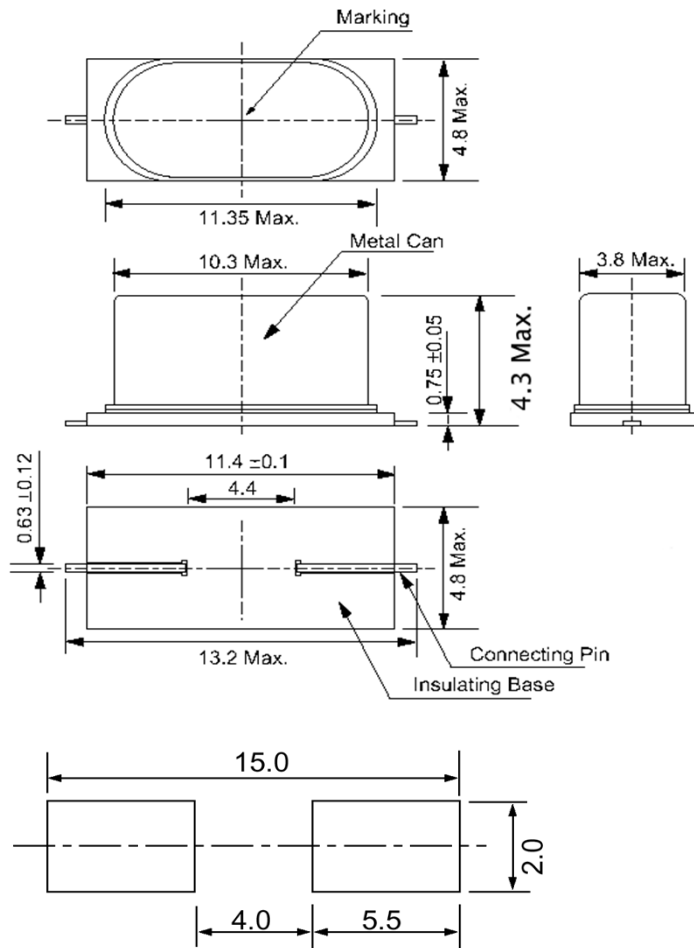


Figure 1) Top, Side, Bottom, End Views and Land Pattern



* 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.

| SIGNATURES | DATE |
|-------------------------|----------|
| DRN BL | 1/6/2012 |
| CHK RC | 1/6/2012 |
| APP DK | 1/6/2012 |
| Dimensions in mm | |

REVISIONS

| REV | DESCRIPTION | DATE | APPROVED |
|-----|-------------|------|----------|
| | | | |

ELECTRICAL SPECIFICATIONS

Frequency: 20.000000 MHz
 Frequency Tolerance @ +25°C: ± 10 ppm Max.
 * Frequency Stability -40 to +85°C: ± 30 ppm Max.
 Crystal Cut: AT Strip
 Load Capacitance (CL): 10 pF
 Recommended Drive Level: 500 µW Max.
 Effective Series Resistance: 20 Ω Max.
 Shunt Capacitance: 7 pF Max.
 Mode of Operation: Fundamental
 Aging (first year): ± 3 ppm/ Max.
 Storage Temperature: -60 to +105°C
 Operating Temperature: -60 to +105°C
 Package Type: CSM-7X

ECS Part Number: ECS-200-CDX-0912

| | | |
|---|--------------------------|--------------|
| ECS INC. INTERNATIONAL 1105 S. Ridgeview Olathe, KS 66062 (913) 782-7787 | | |
| TITLE 20.000 MHz Crystal, CSM-7X Pb Free/RoHS Compliant | | |
| SIZE A | DWG NO. ECS-200-CDX-0912 | REV |
| CAGE CODE: 1G8B7 | | SHEET 1 OF 1 |