

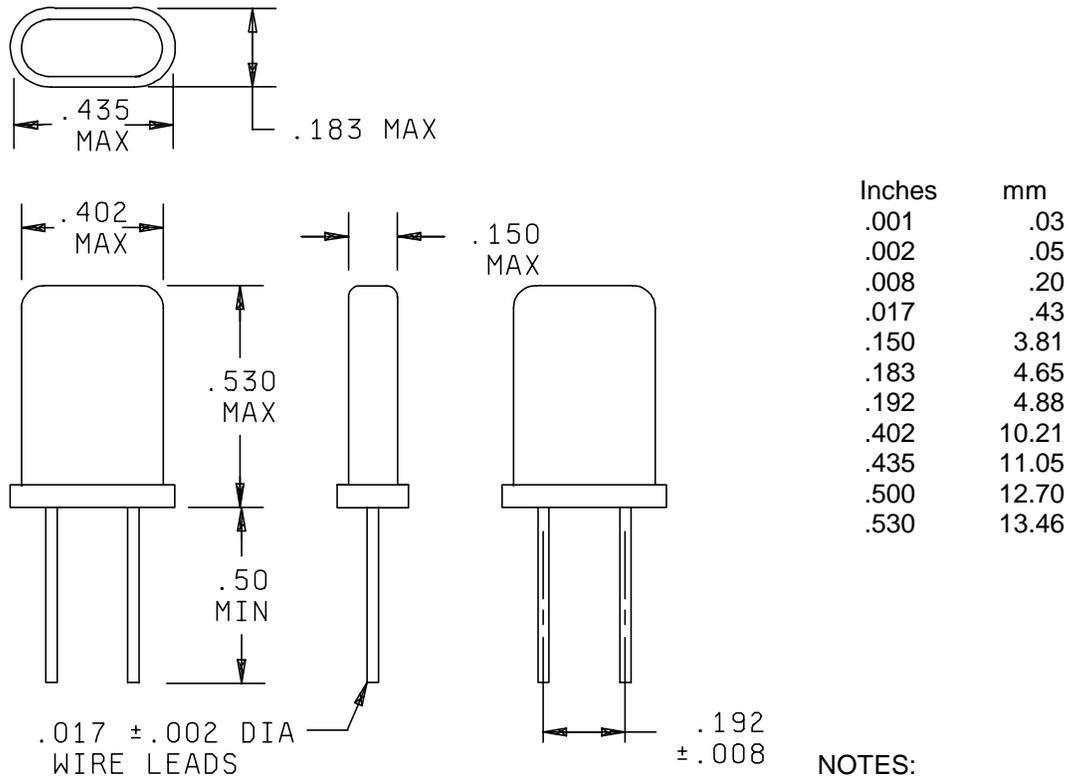
PERFORMANCE SPECIFICATION SHEET

CRYSTAL UNIT, QUARTZ, CR112/U

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification and MIL-PRF-3098.

Pertinent characteristics: 5 MHz to 20 MHz; fundamental; noncontrolled; series resonance.



NOTES:
1. Dimensions are in inches.

2. Metric equivalents are given for general information only.
3. Marking to be in accordance with MIL-PRF-3098.

FIGURE 1. Crystal unit - CR112/U.

REQUIREMENTS:

Dimensions, marking, and configuration: See figure 1.

Frequency range: 5 MHz to 20 MHz, inclusive.

Capacitance, shunt: 7 pF, maximum.

Rated drive level: 1.0 mW, maximum.

Frequency tolerance:

Operating temperature range: ± 25 ppm.

Equivalent resistance:

Frequency range, inclusive MHz	Maximum resistance Ohms
5 to 7	50
7+ to 10	30
10+ to 15	25
15+ to 20	20

Mode of oscillation: Fundamental.

Operating temperature range (noncontrolled): -55°C to $+105^{\circ}\text{C}$, inclusive.

Shock (specified pulse):

Frequency change permitted: ± 5 ppm.

Equivalent resistance change permitted: ± 10 percent.

Vibration: Method 201, MIL-STD-202.

Frequency change permitted: ± 5 ppm.

Equivalent resistance change permitted: ± 10 percent.

Thermal shock:

Frequency change permitted: ± 5 ppm.

Equivalent resistance change permitted: ± 10 percent.

Aging:

Frequency change permitted: ± 5 ppm.

NOTE: This crystal unit is identical to CR60A/U, except for the tighter frequency tolerance of ± 25 ppm.

Marginal notations are not used in this revision to identify changes with respect to the previous issue due to the extent of the changes.

MIL-PRF-3098/88F

Custodians:

Army - CR
Navy - EC
Air Force -85

Review activities:

Army - AR, MI, SM
Navy - AS, CG, MC, OS, SH
Air Force - 17, 19, 99

Preparing activity:

Army - CR

Agent:

DLA - CC

(Project 5955-0697-57)