

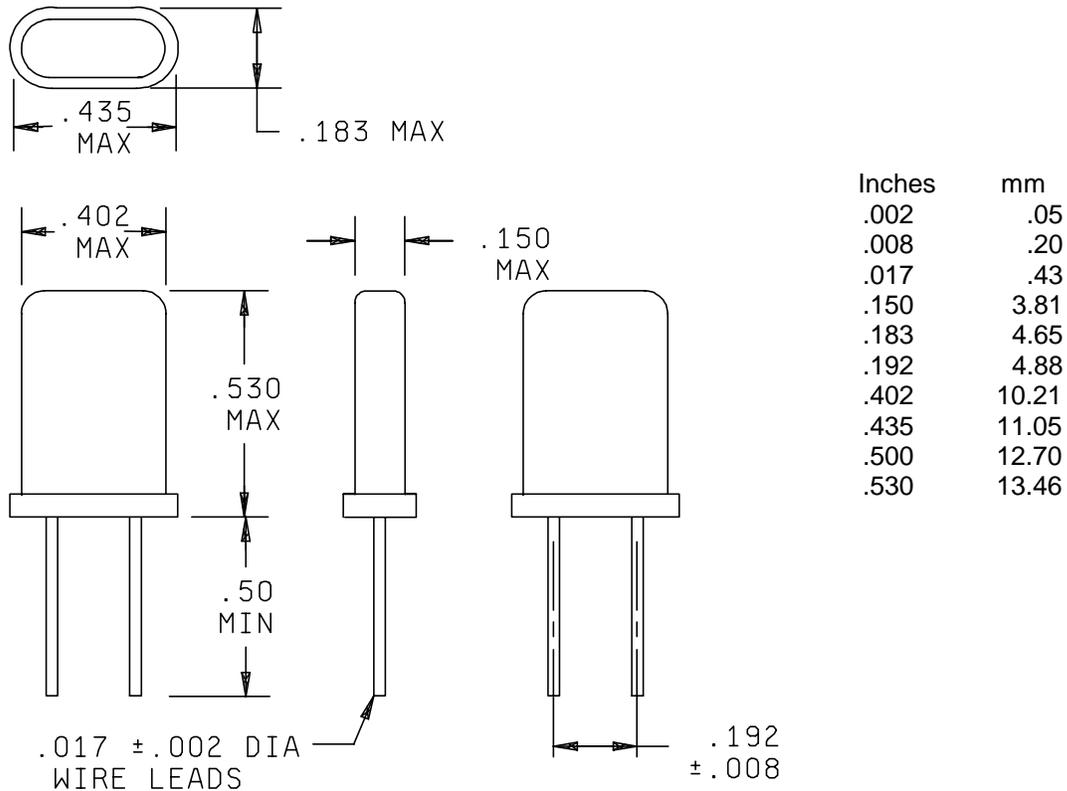
PERFORMANCE SPECIFICATION SHEET

CRYSTAL UNIT, QUARTZ, CR134/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: 18 MHz to 21 MHz; fundamental; noncontrolled; antiresonance.



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 - CR134/U.

REQUIREMENTS:

Dimensions, marking, and configuration: See figure 1.

Frequency range: 18 MHz to 21.0 MHz, inclusive.

Capacitance, shunt: 6.0 pF +.05 pF, -1.0 pF.

Mode of oscillation: Fundamental.

Frequency tolerances:

Primary operating temperature range: ± 25 ppm.

Secondary operating temperature range: ± 50 ppm.

Equivalent resistance: 20 ohms, maximum.

Rated drive level: 1.0 mW, maximum.

Antiresonance, load capacitance: 32.0 pF ± 0.5 pF.

Reference temperature: $+85^{\circ}\text{C} \pm 1^{\circ}\text{C}$.

Operating temperature ranges (noncontrolled):

Primary: $+10^{\circ}\text{C}$ to $+80^{\circ}\text{C}$, inclusive.

Secondary: -40°C to $+10^{\circ}\text{C}$ and $+80^{\circ}\text{C}$ to $+90^{\circ}\text{C}$, inclusive.

Shock (specified pulse):

Frequency change permitted: ± 5 ppm.

Equivalent resistance change permitted: ± 10 percent.

Vibration: Method 204, MIL-STD-202; test condition A.

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.

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

Custodians:

Army - CR

Navy - EC

Air Force -85

Review activities:

Air Force - 17, 84

Preparing activity:

Army - CR

Agent:

DLA - CC

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