

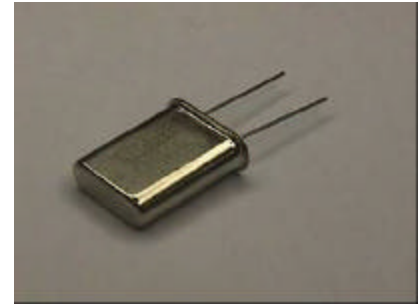
The HC-49/U series provides a broad range of frequencies, packaged in a robust, high reliability enclosure. The HC-49/U has an extremely low cost with excellent electrical parameters. This part is fully qualified by the Defense Electronic Supply Center under MIL-PRF 3098/47, 62, 42, 63, 72, 38, 82, and 118.

ADVANTAGES

- Through Hole
- Military Screened
- Hermetic Package

APPLICATIONS

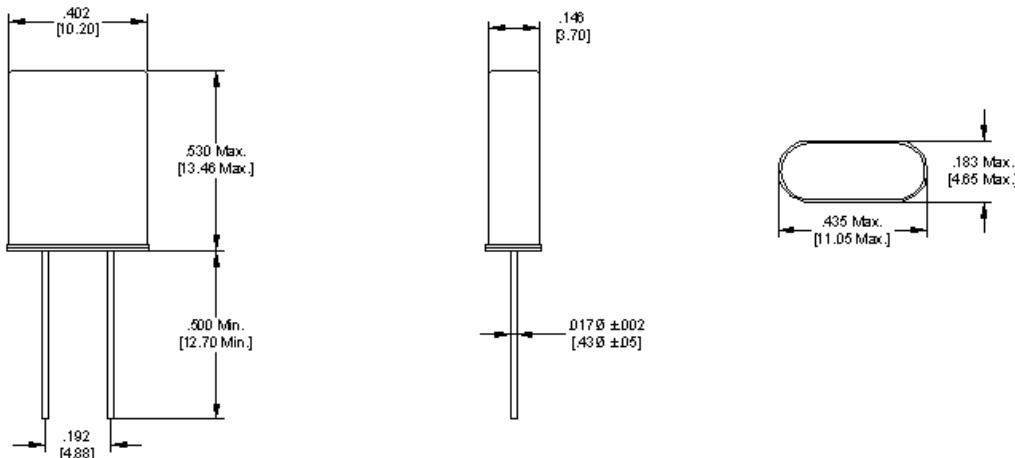
- Base Stations
- Military
- Replacement Parts
- Radio Communications



ELECTRICAL PERFORMANCE (Ta=25°C)

| PARAMETER | MINIMUM | MAXIMUM | UNITS |
|--|-----------------|---------|-------|
| Center Frequency | 2.20 | 25.00 | MHz |
| Oscillation Mode | Fundamental | | |
| Maximum Series Resistance (See Note 3) | 25 | 180 | Ohms |
| Frequency Stability at +25°C | | ±20 | ppm |
| Frequency Stability Over Temperature | | ±30 | ppm |
| Operating Temperature Range | -55 | +105 | °C |
| Storage Temperature Range | | | °C |
| Drive Level | 100.0uW Typical | 1.0mW | |
| Seal Method | Resistance Weld | | |
| Shunt Capacitance | 0.5 | 7.0 | pF |
| Motional Capacitance | N/A | | |
| Load Capacitance | 29.5 | 30.5 | pF |
| Aging per year | | ±5.0 | ppm |

| Parameter | Standard Observed |
|------------------|--------------------------------------|
| Mechanical Shock | MIL-STD-202 Method 213, Condition C |
| Vibration | MIL-STD-202 Method 201, 204, and 214 |
| Hermeticity | MIL-STD-202, Method 112 |
| Solderability | IPC/EIA-STD-002A |



- NOTES**
- 1) To order, state part number, options and nominal frequency e.g. CR 69 13.000MHz
 - 2) Other specifications available upon request.
 - 3) Dependent on frequency and mode