



### Description

- Industry standard leaded package  
Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads
- 2 Leg design
- Model HC49/4H
- Model Issue number 15

### Frequency Parameters

- Frequency 25.0MHz
- Frequency Tolerance @ 25°C ±30.00ppm
- Frequency Stability ±30.00ppm
- Operating Temperature Range -20.00 to 70.00°C
- Overtone Order Fundamental
- Ageing ±5ppm typical per year at 25°C
- Ageing: ±1ppm available on request

### Electrical Parameters

- Load Capacitance (C<sub>L</sub>) 18.00pF
- Shunt Capacitance (C<sub>0</sub>) 7pF max
- Drive Level 500µW max
- ESR 40Ω max

### Environmental Parameters

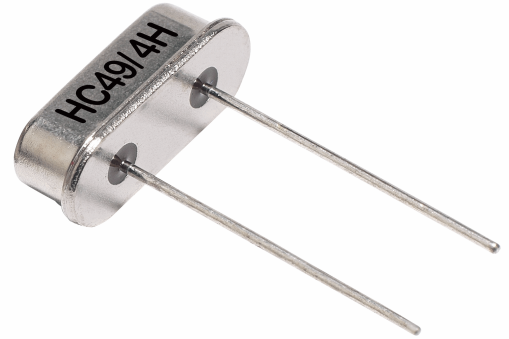
- Shock: 981m/s<sup>2</sup>, 6ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: 10Hz-60Hz, 0.75mm amplitude, 60Hz-500Hz, 98.1m/s<sup>2</sup>, 30mins in 3 mutually perpendicular planes
- Storage Temperature Range: -55 to 125°C

### Compliance

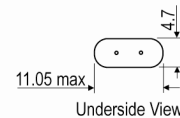
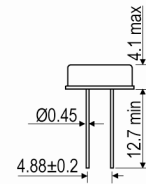
- RoHS Status Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging

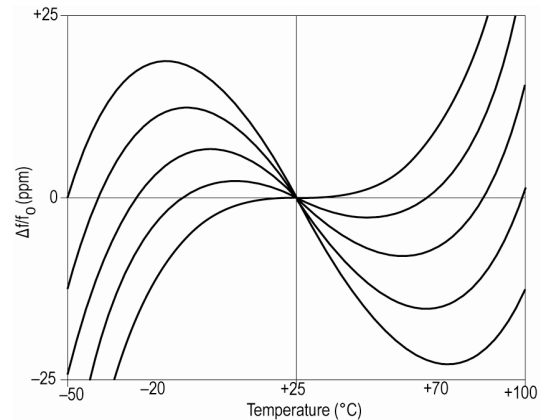
- Pack Type: Reel  
Tape & reel in accordance with EIA-468-C
- Pack Size 1,000
- Alternative packing option available  
*This document is correct at the time of printing; please contact your local office for the latest version.*



### Outline (mm)



### Typical Frequency vs Temperature Curves



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