

#### Description

- Industry standard leaded package  
Resistance welded, hermetically sealed in an inert atmosphere,  
glass to metal seals on leads
- Standard 2 leg HC49 package
- Model HC49
- Model Issue number 15

#### Frequency Parameters

- Frequency 4.0MHz
- Frequency Tolerance  $\pm 30.00\text{ppm}$
- Frequency Stability  $\pm 50.00\text{ppm}$
- Operating Temperature Range  $-40.00$  to  $85.00^\circ\text{C}$
- Overtone Order Fundamental
- Ageing  $\pm 3\text{ppm}$  typical per year

#### Electrical Parameters

- Load Capacitance 30.00pF
- Shunt Capacitance 7pF max
- Drive Level 1mW max
- ESR 100.00 $\Omega$  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  $125^\circ\text{C}$

#### Compliance

- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

#### Packaging Details

- Pack Style: Bulk Loose in bulk pack  
Pack Size: 100
- *Alternative packing option available*



#### Outline (mm)



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