

### Customer Part:

#### 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 20.0MHz
- Frequency Tolerance  $\pm 20.00$ ppm
- Frequency Stability  $\pm 30.00$ ppm
- Operating Temperature Range -10.00 to 60.00°C
- Overtone Order Fundamental
- Ageing  $\pm 3$ ppm typical per year

#### Electrical Parameters

- Load Capacitance Series Resonant
- Shunt Capacitance 7pF max
- Drive Level 1mW max
- ESR 35.00Ω 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 (2015/863/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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