

### Description

- Industry standard leaded package  
Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads
- Model HC49/4H
- Model Issue number 16

### Frequency Parameters

- Frequency 12.00MHz
- Frequency Tolerance  $\pm 30.00$ ppm
- Tolerance Condition @ 25°C
- Frequency Stability  $\pm 50.00$ ppm
- Operating Temperature Range -20.00 to 70.00°C
- Overtone Order Fundamental
- Ageing  $\pm 5$ ppm typical per year at 25°C

### Electrical Parameters

- Load Capacitance (CL) 30.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 500µW max
- ESR 40.00Ω max

### Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Shock: MIL-STD-202 Method 213, Condition C, Half sine shock pulse peak acceleration of 100g, pulse duration 6ms.
- Vibration: MIL-STD-202 Method 204, 5g for 20 minutes, 12 cycles in each of the 3 orientations, 10~2000Hz.

### Manufacturing Details

- RoHS Terminations Sn, Ag & Cu
- RoHS Reflow Temp 260°C max over 10 seconds

### Compliance

- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging Details

- Bulk Pack  
Standard Quantity: 100 Pieces

## USEFUL LINKS

#### Toolbox:

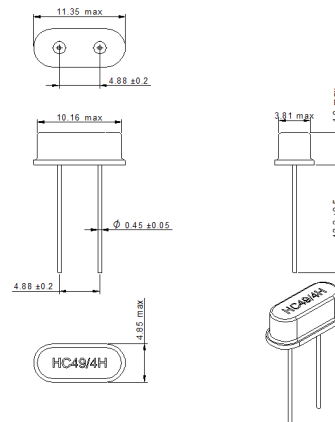
[www.we-online.com/toolbox](http://www.we-online.com/toolbox)

#### Product Catalog:

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### Outline (mm)



### Typical Frequency vs Temperature Curves



### CONTACT INFORMATION:

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