



### 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 25.00MHz
- Frequency Tolerance @ 25°C  $\pm 30.00$ ppm
- Frequency Stability  $\pm 30.00$ ppm
- Operating Temperature Range -20.00 to 70.00°C
- Overtone Order Fundamental
- Ageing  $\pm 5$ ppm typical per year at 25°C
- Ageing:  $\pm 1$ ppm available on request

### Electrical Parameters

- Load Capacitance ( $C_L$ ) 18.00pF
- Shunt Capacitance ( $C_0$ ) 7pF max
- Drive Level 500 $\mu$ W max
- ESR 40 $\Omega$  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°C

### Compliance

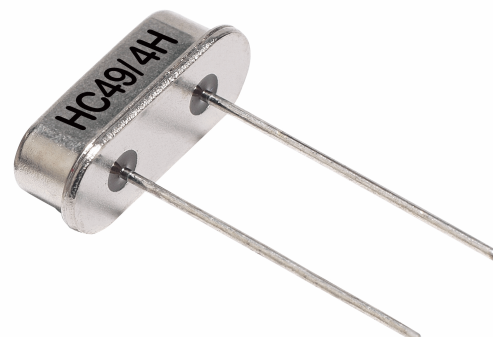
- RoHS Status Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging

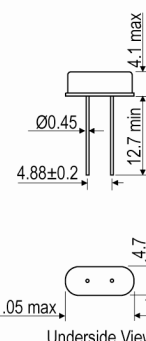
- Pack Type: Reel Tape & reel in accordance with EIA-468-C
- Pack Size 1,000

- Alternative packing option available

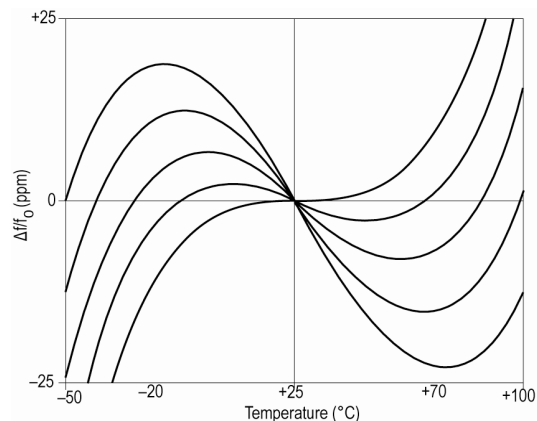
*This document is correct at the time of printing; please contact your local office for the latest version.*



### Outline (mm)



### Typical Frequency vs Temperature Curves



### Sales Office Contact Details:

UK: +44 (0)1460 270200

Germany: +49 (0) 30 408 192 300

France: +33 (0)5 34 50 91 18

USA: +1 408.273.4530

Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)

Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)