

### Customer Part:

#### 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 20.0MHz
- Frequency Tolerance  $\pm 30.00\text{ppm}$
- Tolerance Condition @ 25°C
- Frequency Stability  $\pm 30.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing  $\pm 5\text{ppm}$  typical per year at 25°C

#### Electrical Parameters

- Load Capacitance (CL) 22.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 500 $\mu\text{W}$  max
- ESR 40.00 $\Omega$  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

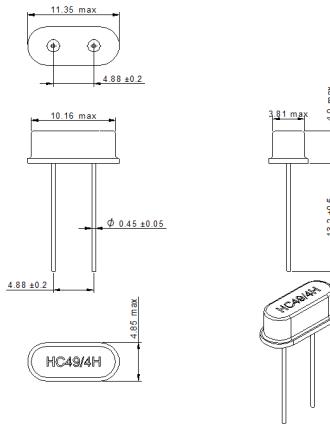
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

#### Packaging Details

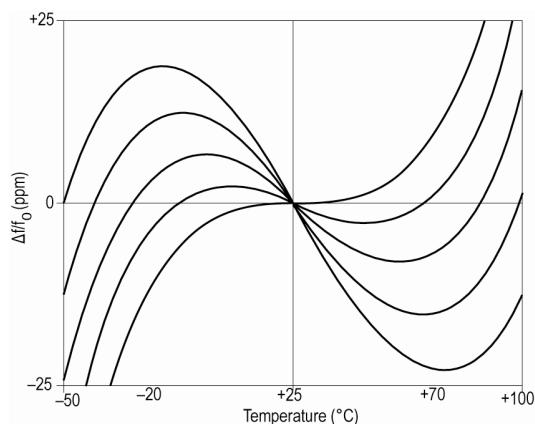
- Bulk Pack

Standard Pack Quantity: 100

#### Outline (mm)



#### Typical Frequency vs Temperature Curves



#### Sales Office Contact Details:

UK: +44 (0)1460 270200

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com