

**Description**

- Industry standard SMD crystal
Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads
Lead wires are mounted onto a plastic former to create a gull wing mount
- Model HC49/4HSMX
- Model Issue number 17

Frequency Parameters

- Frequency 24.0MHz
- Frequency Tolerance @ 25°C $\pm 30.00\text{ppm}$
- Frequency Stability $\pm 50.00\text{ppm}$
- Operating Temperature Range -10.00 to 60.00°C
- Overtone Order Fundamental
- Ageing $\pm 5\text{ppm typ per year @ 25°C}$

Electrical Parameters

- Load Capacitance (C_L) 16.00pF
- Shunt Capacitance (C_0) 7pF max
- Drive Level 500 μW max
- ESR 40 Ω max

Environmental Parameters

- Shock: 981m/s², 6ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: 10Hz-60Hz, 0.75mm amplitude, 60Hz-500Hz, 98.1m/s², 30mins in 3 mutually perpendicular planes
- Storage Temperature Range: -55 to 125°C

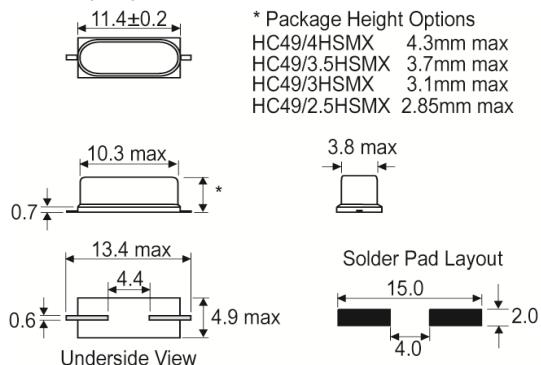
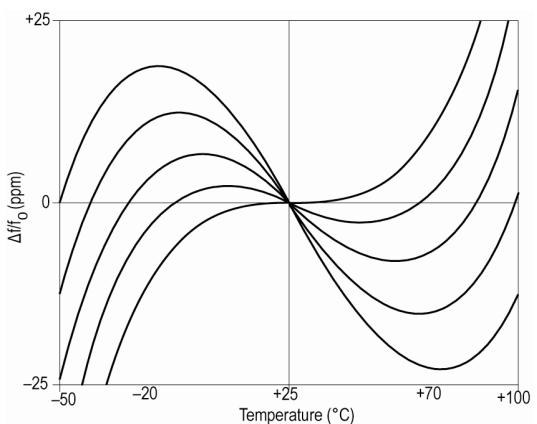
Compliance

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

Packaging

- Pack Type: Reel Tape & reel in accordance with EIA-481-D
- 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

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

Email: info@iqdfrequencyproducts.com

Germany: +49 (0) 30 408 192 300

USA: +1 408.273.4530

Web: www.iqdfrequencyproducts.com