

**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 16.0MHz
- 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 $\mu$ 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

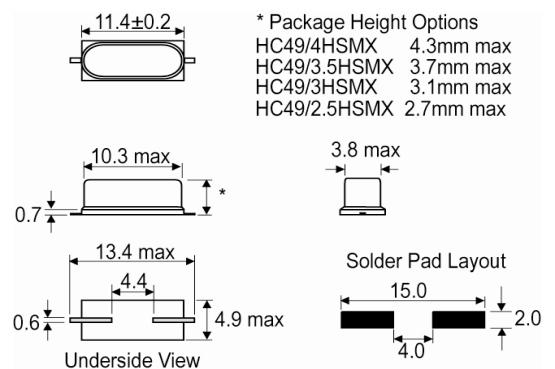
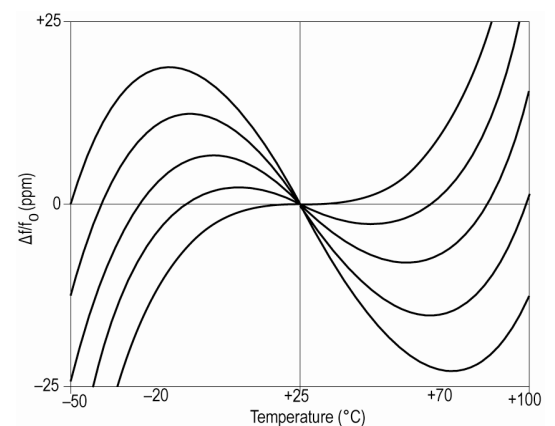
**Compliance**

- RoHS Status Compliant
- REACH Status Compliant

**Packaging**

- Pack Type: Reel Tape and 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 for various****Sales Office Contact Details:**

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