



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 14.74560MHz
- Frequency Tolerance @ 25°C ±30.00ppm
- Frequency Stability ±50.00ppm
- Operating Temperature Range -10.00 to 60.00°C
- Overtone Order Fundamental
- Ageing ±5ppm typ per year @ 25°C

Electrical Parameters

- Load Capacitance (C_L) 30.00pF
- Shunt Capacitance (C₀) 7pF max
- Drive Level 500μW max
- ESR 40Ω 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

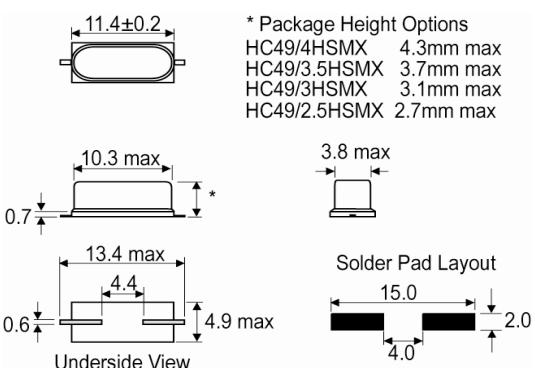
Packaging

- 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)



Underside View

Solder Pad Layout

11.4±0.2

* Package Height Options
HC49/4HSMX 4.3mm max
HC49/3.5HSMX 3.7mm max
HC49/3HSMX 3.1mm max
HC49/2.5HSMX 2.7mm max

10.3 max

3.8 max

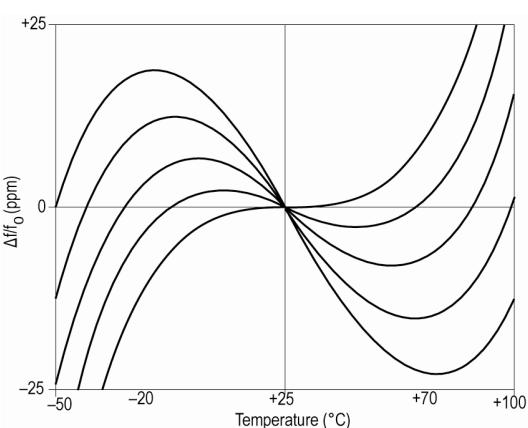
13.4 max

15.0

4.9 max

4.0

Typical Frequency vs Temperature Curves for various



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