



### 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 8.0MHz
- Frequency Tolerance @ 25°C  $\pm 30.00\text{ppm}$
- Frequency Stability  $\pm 50.00\text{ppm}$
- Operating Temperature Range -20.00 to 70.00°C
- Overtone Order Fundamental
- Ageing  $\pm 5\text{ppm typ per year @ 25°C}$

### Electrical Parameters

- Load Capacitance ( $C_L$ ) 18.00pF
- Shunt Capacitance ( $C_0$ ) 7pF max
- Drive Level 500 $\mu\text{W}$  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

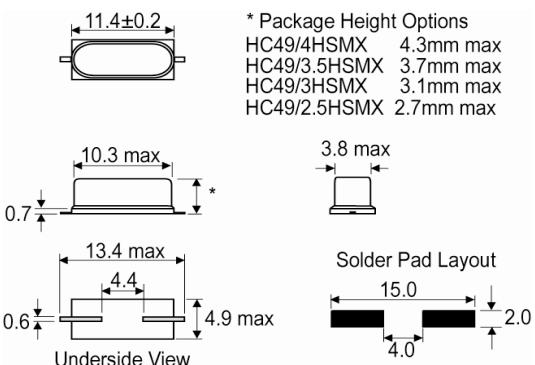
### Packaging

- 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)



\* 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



Underside View

Solder Pad Layout

15.0

4.0

2.0

3.8 max

10.3 max

13.4 max

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4.9 max

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11.4±0.2

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13.4 max

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