

### 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
 Frequency Tolerance
 Tolerance Condition
 Frequency Stability
 Operating Temperature Range
 Overtone Order
 25°C ±2°C
 ±50.00ppm
 -40.00 to 90.00°C
 Fundamental

Ageing ±5ppm typ per year @ 25°C

#### **Electrical Parameters**

Load Capacitance (CL)
 Shunt Capacitance (C0)
 Drive Level
 ESR
 16.00pF
 7pF max
 500μW max
 40.00Ω 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 (2011/65/EU) Compliant
 REACh Status Compliant
 MSL Rating (JDEC-STD-033): Not Applicable

# **Packaging Details**

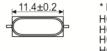
Pack Style: Reel Tape & reel in accordance with EIA-481-D

Pack Size: 1,000

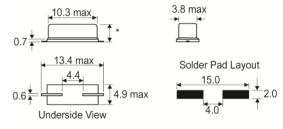
Alternative packing option available



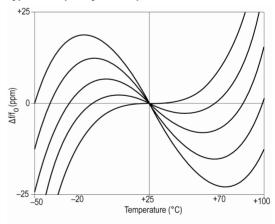
# Outline (mm)



\* Package Height Options HC49/4HSMX 4.3mm max HC49/3.5HSMX 3.7mm max HC49/3HSMX 3.1mm max HC49/2.5HSMX 2.85mm max



# **Typical Frequency vs Temperature Curves**



#### **Sales Office Contact Details:**

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