

#### 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 number17

# **Frequency Parameters**

■ Frequency
 ■ Frequency Tolerance
 ■ Tolerance Condition
 ● Trequency Stability
 ■ Operating Temperature Range
 ■ Overtone Order
 16.0MHz
 ±30.00ppm
 ±50.00ppm
 -10.00 to 60.00°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)
 REACh Status
 MSL Rating (JDEC-STD-033):
 Not Applicable

# **Packaging Details**

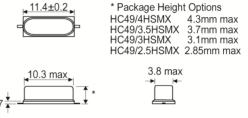
Pack Style: Reel Tape & reel in accordance with EIA-481-D

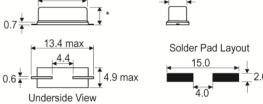
Pack Size: 1,000

Alternative packing option available

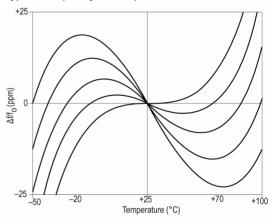


# Outline (mm)





# **Typical Frequency vs Temperature Curves**



UK: +44 (0)1460 270200 Germany: 0800 1808 443 France: 0800 901 383 USA: +1.760.318.2824 Email: info@iqdfrequencyproducts.com Web: www.iqdfrequencyproducts.com