

Customer Part:

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
 ● Trequency Stability
 ■ Operating Temperature Range
 ■ Overtone Order
 4.0MHz
 ±10.00ppm
 ±25°C ±2°C
 ±10.00ppm
 -20.00 to 70.00°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
 130.00Ω 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

RoHS Terminations

■ RoHS Reflow Temp 260°C max for 10s max

Compliance

RoHS Status (2015/863/EU)
 REACh Status
 MSL Rating (JDEC-STD-033):
 Not Applicable

Packaging Details

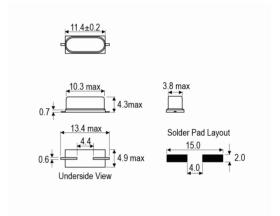
Pack Style: Reel Tape & reel in accordance with EIA-481-D

Pack Size: 1,000

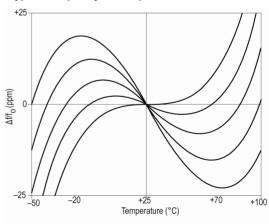
Alternative packing option available



Outline (mm)



Typical Frequency vs Temperature Curves



Sales Office Contact Details:

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