

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
 Frequency Stability
 Operating Temperature Range
 Overtone Order
 13.560MHz
 ±30.00ppm
 25°C ±2°C
 ±30.00ppm
 -20.00 to 70.00°C
 Fundamental

Ageing ±5ppm typ per year @ 25°C

Electrical Parameters

Load Capacitance (CL)
 Shunt Capacitance (C0)
 7pF max
 Drive Level
 ESR
 18.00pF
 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

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

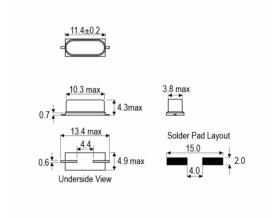
Pack Style: Reel
 Tape & reel in accordance with EIA-481-D

Pack Size: 1,000

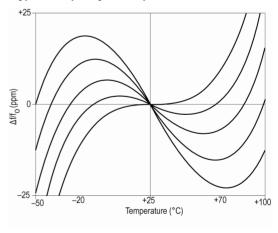
Alternative packing option available



Outline (mm)



Typical Frequency vs Temperature Curves



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