

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
 ● 25°C ±2°C
 ■ Frequency Stability
 ■ Operating Temperature Range
 ■ Overtone Order
 12.0MHz
 ±30.00ppm
 ±50.00ppm
 -10.00 to 60.00°C
 ■ Fundamental

Ageing ±5ppm typ per year @ 25°C

Electrical Parameters

Load Capacitance (CL) 30.00pF
 Shunt Capacitance (C0) 7pF max
 Drive Level 500μW max
 ESR 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

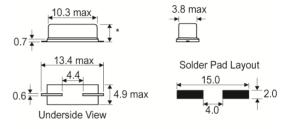
Alternative packing option available



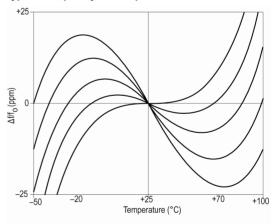
Outline (mm)



* 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



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