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Quartz Crystal Specification

Part No.: ***LFXTAL020423***

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 19



Frequency Parameters

Frequency	8.0MHz
Frequency Tolerance	±30.00ppm
Tolerance Condition	@25°C
Frequency Stability	±50.00ppm
Operating Temperature Range	-20.00 to 70.00°C
Overtone Order	Fundamental
Ageing	±5ppm typ per year @25°C

Electrical Parameters

Load Capacitance (CL)	18.00pF
Shunt Capacitance (C0)	7pF max
Drive Level	500µW max
ESR	40.00Ω max

Environmental Parameters

- Shock: MIL-STD-202 Method 213, Condition C, Half sine shock pulse peak acceleration of 100g, pulse duration 6ms.
- Vibration: MIL-STD-202 Method 204, 5g for 20 minutes, 12 cycles in each of the 3 orientations, 10~2000Hz
- Storage Temperature Range: -55 to 125°C

Manufacturing Details

RoHS Terminations	Sn, Ag & Cu
RoHS Reflow Temp	260°C max for 10 seconds

Compliance

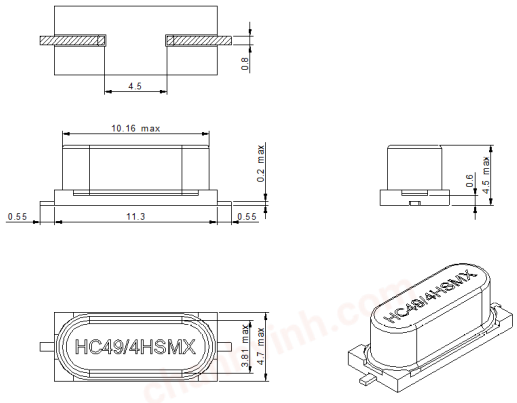
RoHS Status (2015/863/EU)	Compliant
REACh Status	Compliant
MSL Rating (JDEC-STD-033):	Not Applicable

Packaging Details

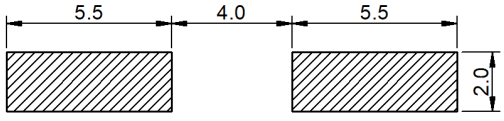
- Tape & reel in accordance with EIA-481
  Quantities below the standard reel size to be supplied on cut tape.

  Standard Pack Quantity: 1,000

Outline (mm)



Recommended Solder Pad Layout



Sales Office Contact Details:

UK: +44 (0)1460 270200

Email: info@iqdfrequencyproducts.com

Web: www.iqdfrequencyproducts.com