Quartz Crystal Specification

Part No.: ***LFXTAL033580***

Customer Part:

Description

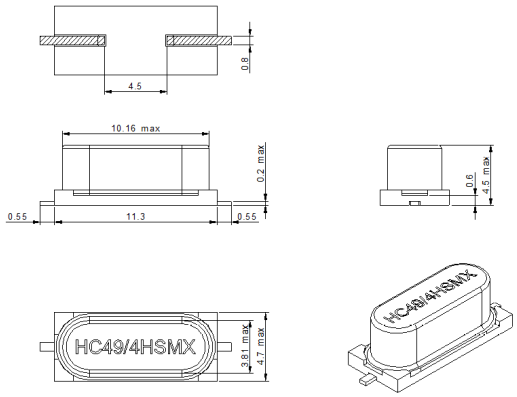
- Industry standard SMD crystal.
  Resistance welded, hermetically sealed in an inert atmosphere, glass to metal seals on leads.
  Lead wires are mounted onto a plastic former to create a gull wing mount.
- Model HC49/4HSMX
- Model Issue number 19



Frequency Parameters

- Frequency 12.0MHz
- 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

Outline (mm)



Electrical Parameters

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

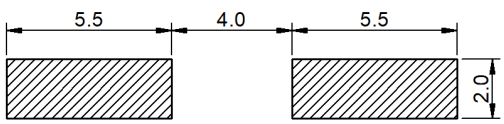
Environmental Parameters

- 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

Recommended Solder Pad Layout



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

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