Quartz Crystal Specification

Part No. + Packaging: ***LFXTAL016714Reel***

Customer Part:

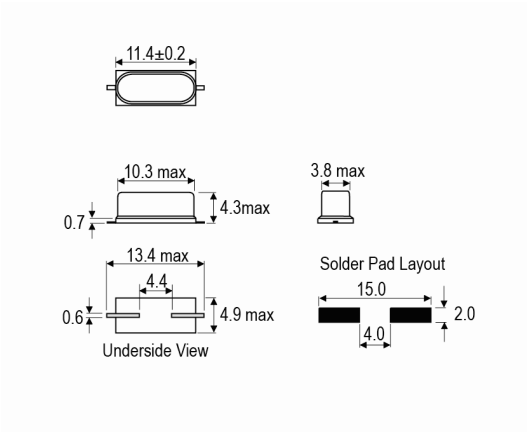
Description

- 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 6.1440MHz
- Frequency Tolerance ±30.00ppm
- Tolerance Condition @ 25°C ±2°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)



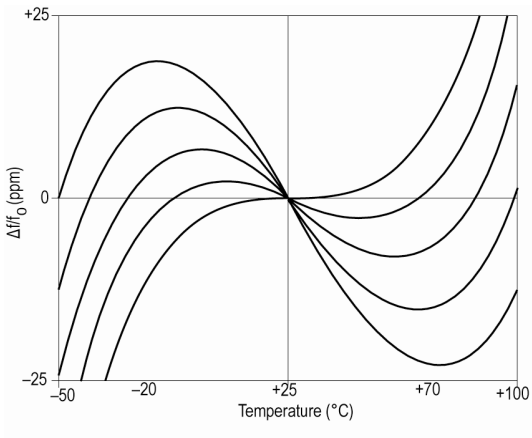
Electrical Parameters

- Load Capacitance (CL) 30.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 500µW max
- ESR 60.00Ω 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

Typical Frequency vs Temperature Curves



Compliance

- RoHS Status (2015/863/EU) Compliant
- REACh Status Compliant
- 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*

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