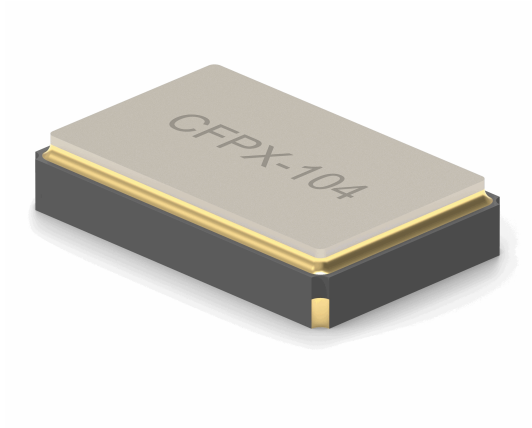
# Quartz Crystal Specification

*Part No. + Packaging:* ***LFXTAL063061Reel***

**Customer Part:**

## Description

- Standard 5x3.2mm SMD crystal with four pads. Ceramic package with a seam sealed metal lid, hermetically sealed.
- Model CFPX-104
- Model Issue number 9



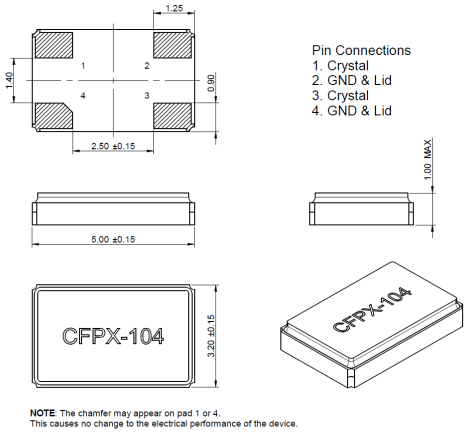

## Frequency Parameters

- Frequency 12.0MHz
- Frequency Tolerance ±10.00ppm
- Tolerance Condition @ 25°C
- Frequency Stability ±20.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing ±3ppm max per year @ 25°C

## Electrical Parameters

- Load Capacitance (CL) 16.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 100µW max
- ESR 90.00Ω max

**Outline (mm)**



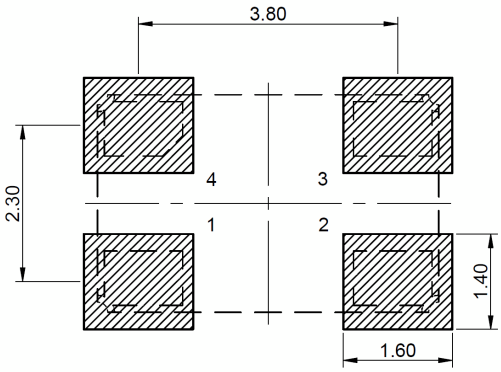

## Environmental Parameters

- Shock: 1500g, 0.5ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: 20g (20Hz-2000Hz), 1.52mm amplitude, 20mins in 3 mutually perpendicular planes, 4 cycles
- Storage Temperature Range: -55 to 125°C

## Manufacturing Details

- RoHS Terminations Au 0.3um~1.0um
- RoHS Reflow Temp 260degC max for 30s max

**Recommended Solder Pad Layout**




## 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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