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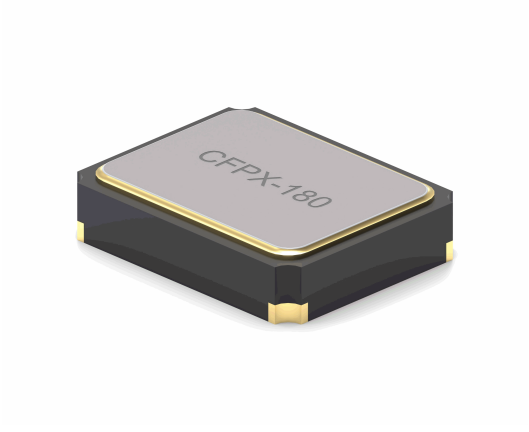
Quartz Crystal Specification

Part No.: ***LFXTAL053099***

Customer Part:

Description

- Standard 3.2 x 2.5mm SMD crystal in a ceramic package with a seam sealed metal lid, hermetically sealed.
- Model CFPX-180
- Model Issue number 13



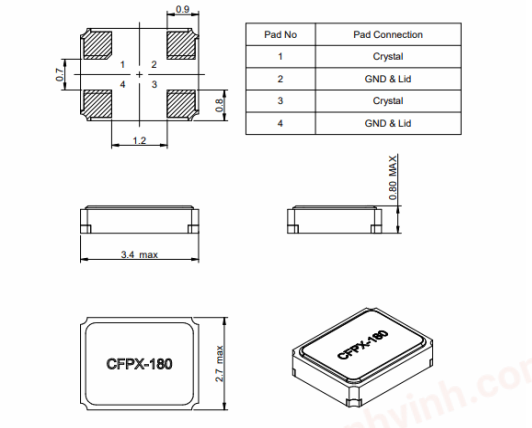
Frequency Parameters

- Frequency 27.120MHz
- Frequency Tolerance ±10.00ppm
- Tolerance Condition @25°C
- Frequency Stability ±10.00ppm
- Operating Temperature Range -20.00 to 70.00°C
- Overtone Order Fundamental
- Ageing ±5ppm max per year @25°C

Electrical Parameters

- Load Capacitance (CL) 10.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 100µW max
- ESR 50.00Ω max

Outline (mm)



Pad No	Pad Connection
1	Crystal
2	GND & Lid
3	Crystal
4	GND & Lid

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Shock: 1500g, 0.5ms, 3 times in each of the 3 mutually perpendicular planes.
- Vibration: MIL-STD-883F, 20g (20Hz~2000Hz), 1.52mm amplitude, 20 minutes in 3 mutually perpendicular planes, 4 cycles.

Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max over 10 seconds

Compliance

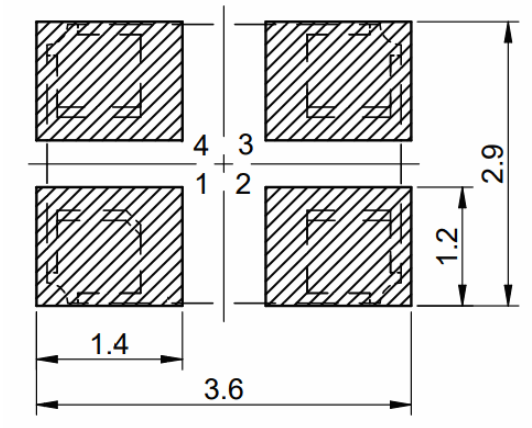
- RoHS Status (2015/863/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

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

  Standard Pack Quantity: 3,000

Recommended Solder Pad Layout



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