



Quartz Crystal Specification

IQD Part No. + Packaging: LFX TAL059539Reel

Würth Part No. 830059539



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 48.0MHz
- Frequency Tolerance ± 20.00 ppm
- Tolerance Condition @ 25°C
- Frequency Stability ± 30.00 ppm
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing ± 3 ppm max per year @ 25°C

Electrical Parameters

- Load Capacitance (CL) 18.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 100µW max
- ESR 20.00Ω max

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 0.3µm~1.0µm
- RoHS Reflow Temp 260degC 3s

Compliance

- RoHS Status (2011/65/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

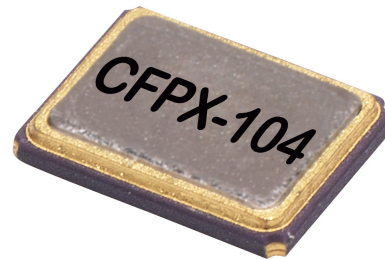
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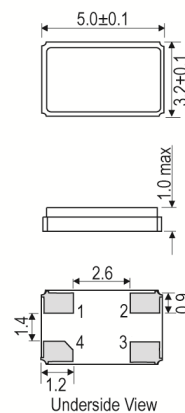
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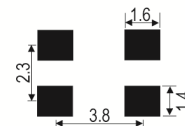
Outline (mm)



Pad Connections

- Crystal
- GND & Lid
- Crystal
- GND & Lid

Solder Pad Layout



CONTACT INFORMATION:

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