



## 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  $\pm 20.00$ ppm
- Tolerance Condition @ 25°C
- Frequency Stability  $\pm 30.00$ ppm
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing  $\pm 3$ 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

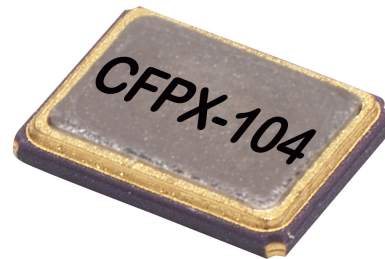
### USEFUL LINKS

#### Toolbox:

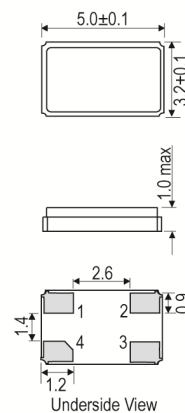
[www.we-online.com/toolbox](http://www.we-online.com/toolbox)

#### Product Catalog:

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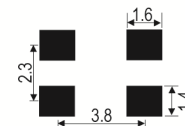
### Outline (mm)



### Pad Connections

1. Crystal
2. GND & Lid
3. Crystal
4. GND & Lid

### Solder Pad Layout



### CONTACT INFORMATION:

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