



Quartz Crystal Specification

IQD Part No. + Packaging: LFX TAL069882Reel

Würth Part No. **830069882**



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 9

Frequency Parameters

- Frequency 12.0MHz
- Frequency Tolerance ± 30.00 ppm
- Tolerance Condition @ 25°C
- Frequency Stability ± 100.00 ppm
- Operating Temperature Range -40.00 to 125.00°C
- Overtone Order Fundamental
- Ageing ± 5 ppm max per year @ 25°C

Electrical Parameters

- Load Capacitance (CL) 10.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 100 μ W max
- ESR ****See Technical Notes****

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms, 1/2 sine wave
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G (10Hz-2000Hz), 4hrs in 3 mutually perpendicular planes (total 12hrs)

Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp 260degC 10s

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*

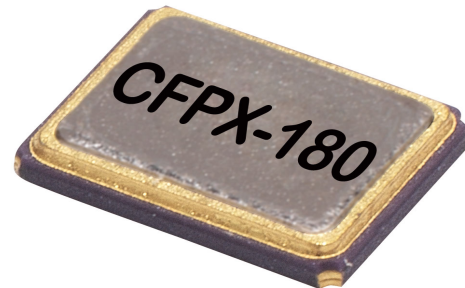
USEFUL LINKS

Toolbox:

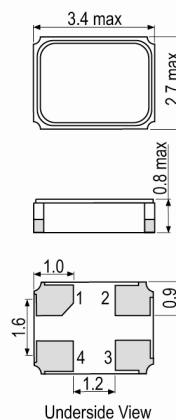
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Product Catalog:

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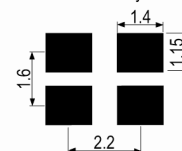
Outline (mm)



Pad Connections

1. Crystal
2. GND
3. Crystal
4. GND

Solder Pad Layout



Underside View

CONTACT INFORMATION:

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Technical Notes

- ESR 100 Ohms max

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