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# Quartz Crystal Specification

*IQD Part No. + Packaging: LFXTAL082082RL3K*

*Wurth Part No.* ***830108208209***

## Description

- 2.5 x 2mm SMD crystal in a hermetically sealed ceramic package with a seam sealed metal lid.
- Model CFPX-218
- Model Issue number 4



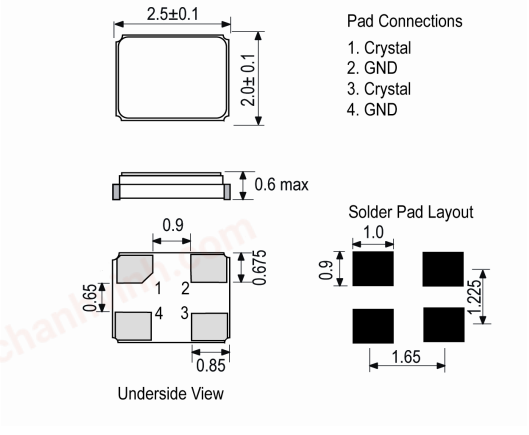

## Frequency Parameters

- Frequency 24.0MHz
- 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 ±3ppm max per year @ 25°C

## Electrical Parameters

- Load Capacitance (CL) 10.00pF
- Shunt Capacitance (C0) 5pF max
- Drive Level 100µW max
- ESR 100.00Ω max

**Outline (mm)**




## Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Drop: 100cm drop (3 times) onto hard wooden board.
- Vibration: MIL-STD-883F, Method 2007.3: 20G (20Hz-2000Hz), 1.52mm amplitude, 20mins in 3 mutually perpendicular planes (total 4hrs).

## Manufacturing Details

- Maximum Process Temperature: 260°C (10secs max)
- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max for 10secs max

## Compliance

- RoHS Status (2011/65/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

## Packaging Details

- Pack Style: RL3K Tape & reel in accordance with EIA-481-D
  Pack Size: 3,000
- *Alternative packing option available*

## USEFUL LINKS

**Toolbox:**

www.we-online.com/toolbox

**Product Catalog:**

www.we-online.com/products

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