



## Quartz Crystal Specification

IQD Part No. + Packaging: LFX TAL078207RL3K

Würth Part No. 830107820709



### 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 32.0MHz
- Frequency Tolerance  $\pm 10.00\text{ppm}$
- Tolerance Condition @ 25°C
- Frequency Stability  $\pm 10.00\text{ppm}$
- Operating Temperature Range -20.00 to 70.00°C
- Overtone Order Fundamental
- Ageing  $\pm 3\text{ppm max per year @ 25°C}$

### Electrical Parameters

- Load Capacitance (CL) 10.00pF
- Shunt Capacitance (C0) 5pF max
- Drive Level 100 $\mu$ W max
- ESR 70.00 $\Omega$  max

### 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:

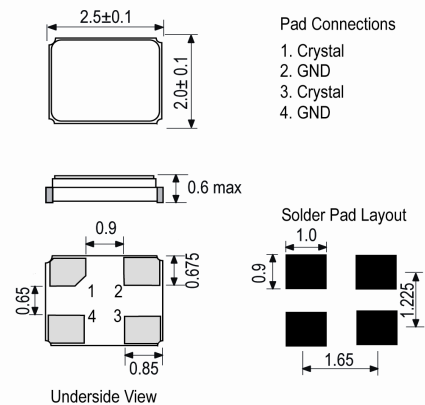
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#### Product Catalog:

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### Outline (mm)



### CONTACT INFORMATION:

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