



## Quartz Crystal Specification

*IQD Part No. + Packaging: LFX TAL009709Reel*

*Würth Part No. 830009709*



### Description

- A 3.2 x 1.5mm SMD crystal in a ceramic package with a seam sealed metal lid, hermetically sealed
- Model CFPX-217
- Model Issue number 4

### Frequency Parameters

- Frequency 32.768kHz
- Frequency Tolerance  $\pm 20.00\text{ppm}$
- Tolerance Condition @ 25°C  $\pm 5^\circ\text{C}$
- Overtone Order Fundamental
- Ageing  $\pm 3\text{ppm}$  max in 1st year @ 25°C

### Electrical Parameters

- Load Capacitance (CL) 7.00pF
- Shunt Capacitance (C0) 1.05pF typical
- Drive Level 1μW max
- ESR 70.00kΩ max

### Environmental Parameters

- Storage Temperature Range:  $-55$  to  $125^\circ\text{C}$
- Drop: 100g dummy, 150cm drop (3 directions x 10 times) onto concrete
- Vibration: 1.5mm amplitude, 10Hz-500Hz, full sine wave or acceleration 10G, 1.5mins in 3 mutually perpendicular planes, duration 2hrs each plane

### Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp  $260^\circ\text{C}$  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: Reel Tape & reel in accordance with EIA-481-D  
Pack Size: 3,000
- Alternative packing option available

### USEFUL LINKS

#### Toolbox:

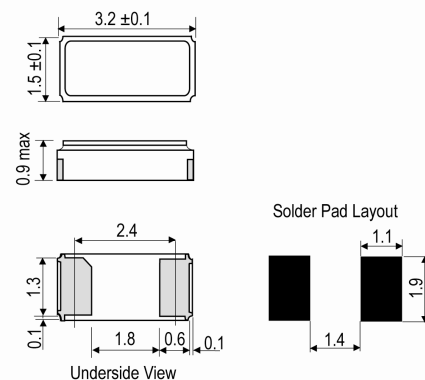
[www.we-online.com/toolbox](http://www.we-online.com/toolbox)

#### Product Catalog:

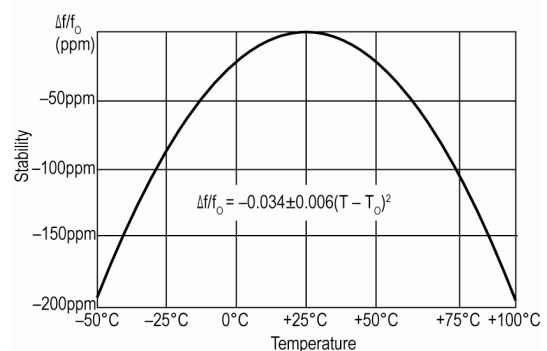
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### Outline (mm)



### Typical Frequency Stability Characteristics



### CONTACT INFORMATION:

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