



Quartz Crystal Specification

IQD Part No. + Packaging: LFX TAL025159Reel

Würth Part No. 830025159



Description

- 2 x 6mm watch crystal with pre-formed legs to make a SMD package.
- Model CFPX-56
- Model Issue number 6

Frequency Parameters

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

Electrical Parameters

- Load Capacitance (CL) 12.50pF
- Shunt Capacitance (C0) 1.6pF typical
- Drive Level 1.0μW max
- ESR 40.00kΩ max
- Motional Capacitance (C1): 3.2fF typ
- Frequency Stability Coefficient: $-0.034\text{ppm}/^{\circ}\text{C}^2 \pm 0.006\text{ppm}/^{\circ}\text{C}^2$

Environmental Parameters

- Storage Temperature Range: -40 to 85°C
- High Temperature Storage: 85°C for 24hrs.
- Drop: 75cm drop (3 times) onto hard wooden board.

Manufacturing Details

- Suitable for reflow soldering at 245°C max for 10sec max x 1 cycle.
- Note: Do not solder the body of the device to any PCB pads. Use other bonding methods such as adhesive, sealant, sticky-pads.
- RoHS Terminations SnAgCu
- RoHS Reflow Temp 245°C for 10secs max

Compliance

- RoHS Status (2015/863/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:

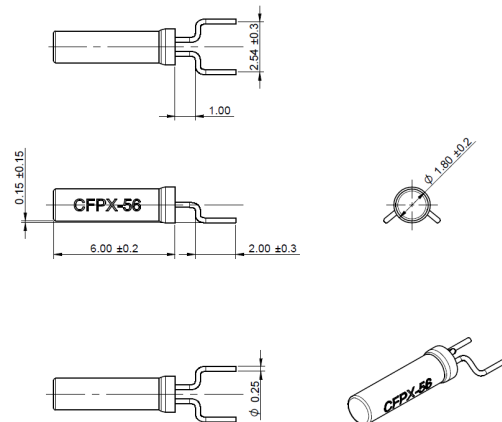
www.we-online.com/toolbox

Product Catalog:

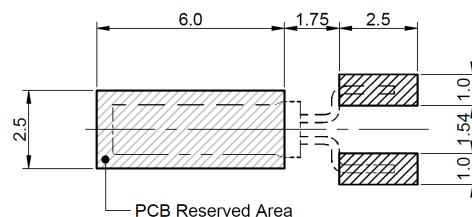
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Outline (mm)



Recommended Solder Pad Layout



NOTE: Do not solder the body of this device to any PCB pads. Use other bonding methods such as adhesive sealant, sticky pads.

CONTACT INFORMATION:

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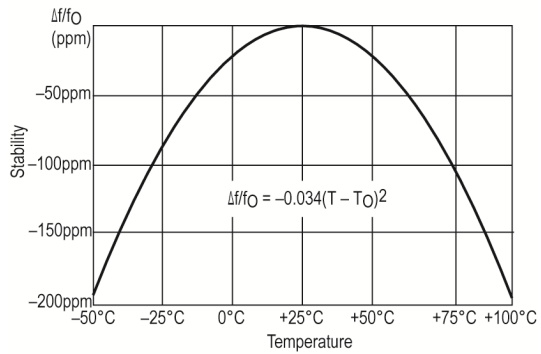
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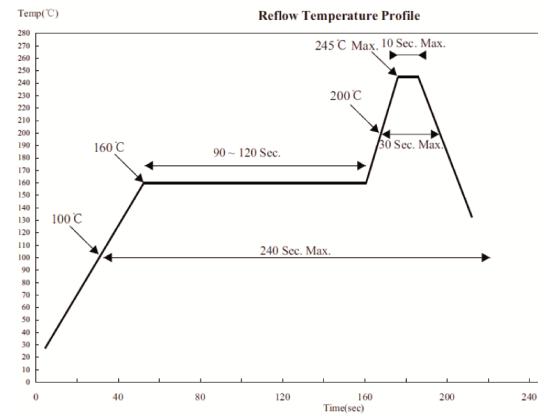
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Typical Frequency Stability Characteristics



Reflow Temperature Profile



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