

Description

- 3.2 x 1.5mm SMD crystal in a ceramic package with a seam sealed metal lid, hermetically sealed.
- Model IQXC-217
- Model Issue number 1

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 $\pm 3\text{ppm max in 1st year @ } 25^\circ\text{C}$

Electrical Parameters

- Load Capacitance (CL) 9.00pF
- Shunt Capacitance (C0) 1.5pF max
- Drive Level 0.1µW typ, 0.5µW max
- ESR 70.00kΩ max

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Drop: 150g dummy, 180cm drop (6 directions x 3 times) onto concrete board
- Vibration: 1.5mm amplitude, 10Hz-60Hz with cycle time 2-3 minutes in 3 directions (X, Y and Z axis) each for 2 hours

Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp $260^\circ\text{C max for 10s max}$

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:

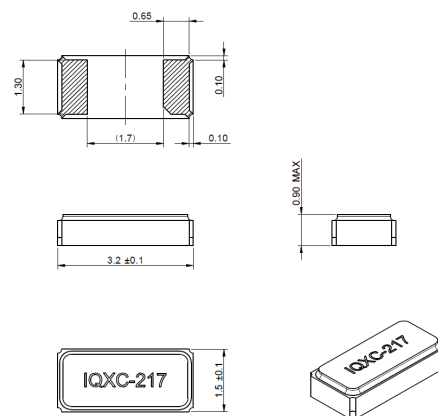
www.we-online.com/toolbox

Product Catalog:

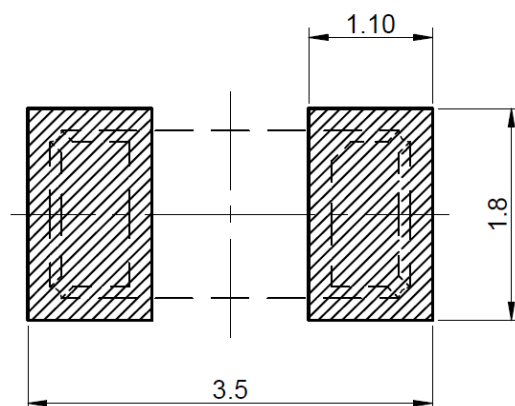
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Outline (mm)



Recommended Solder Pad Layout



CONTACT INFORMATION:

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Quartz Crystal Specification

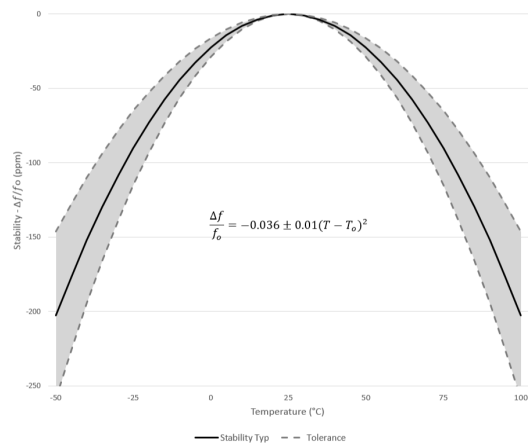
IQD Part No. + Packaging: LFX TAL084883Reel

Würth Part No. 830108488301



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Typical Frequency Stability Characteristics



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