Quartz Crystal Specification

IQD Part No. + Packaging: LFXTAL084882Reel

Wurth Part No. ***830108488201***

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 32.7680kHz
- Frequency Tolerance ±20.00ppm
- Tolerance Condition @ 25°C ±5°C
- Overtone Order Fundamental
- Ageing ±3ppm max in 1st year @ 25°C

Electrical Parameters

- Load Capacitance (CL) 12.50pF
- 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°C max for 10s max

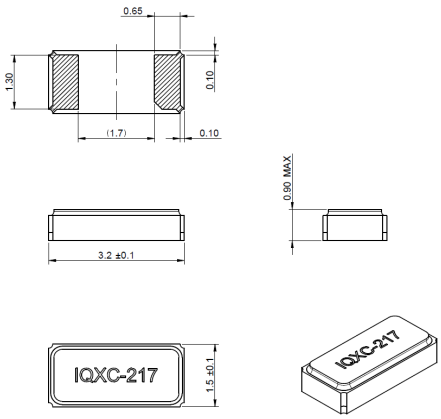
Compliance

- RoHS Status (2015/863/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

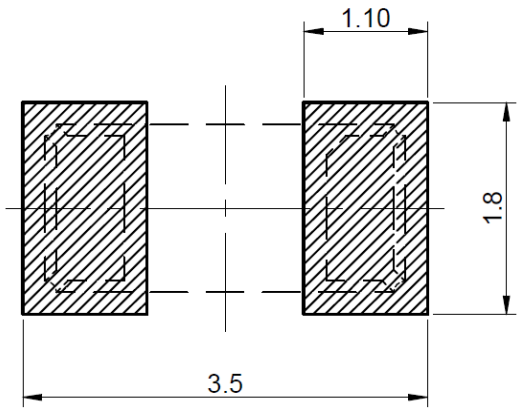
Packaging Details

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

Outline (mm)



Recommended Solder Pad Layout



USEFUL LINKS

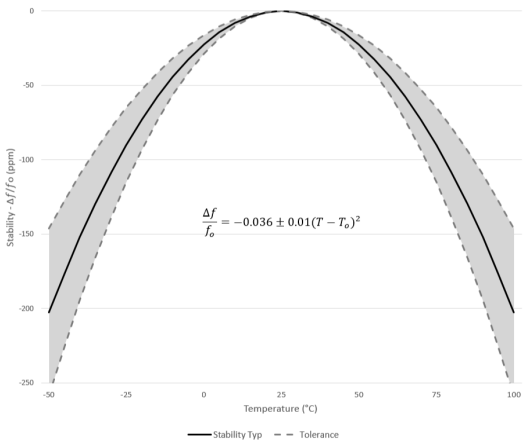
Toolbox:
www.we-online.com/toolbox

Product Catalog:
www.we-online.com/products

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Typical Frequency Stability Characteristics



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