



Quartz Crystal Specification

IQD Part No. + Packaging: LFX TAL082131RL3K

Würth Part No. 830108213109



Description

- 2 x 1.6mm SMD crystal
Ceramic package with a seam sealed metal lid, hermetically sealed
- Model IQXC-42
- Model Issue number 1

Frequency Parameters

- Frequency 38.40MHz
- Frequency Tolerance ± 10.00 ppm
- Frequency Stability ± 15.00 ppm
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing ± 3 ppm max per year @ 25°C

Electrical Parameters

- Load Capacitance (CL) 8.00pF
- Shunt Capacitance (C0) 3pF max
- Drive Level 100µW max
- ESR 60.00Ω max

Environmental Parameters

- Shock: IEC 60068-2-27: 1000G, 1ms, 3 times in each of 3 mutually perpendicular planes
- Vibration: IEC 60068-2-6: 1.5mm amplitude, 10Hz-55Hz, 1min in 3 mutually perpendicular planes, duration 2hrs each plane (total 6hrs)
- Storage Temperature Range: -55 to 125°C

Manufacturing Details

- RoHS Terminations NiAu
- RoHS Reflow Temp 260degC 10s

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

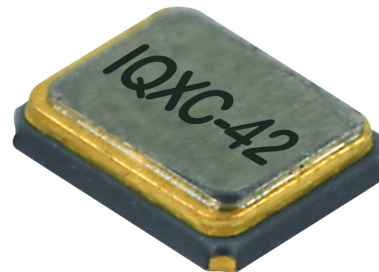
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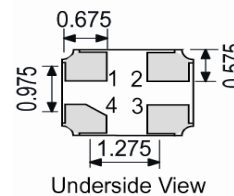
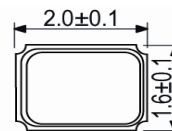
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Outline (mm)

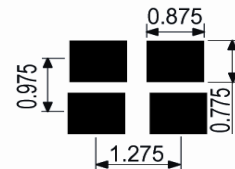


Underside View

Pad Connections

1. Crystal
2. GND
3. Crystal
4. GND

Solder Pad Layout



CONTACT INFORMATION:

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