



## 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  $\pm 10.00$ ppm
- Frequency Stability  $\pm 15.00$ ppm
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing  $\pm 3$ 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*

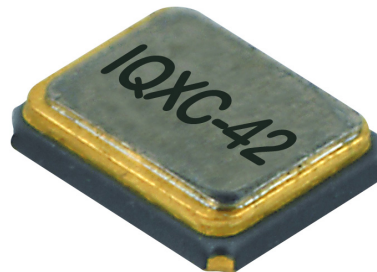
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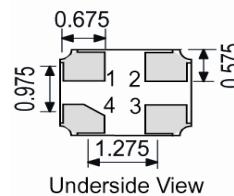
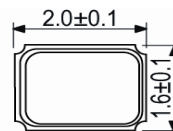
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### Outline (mm)

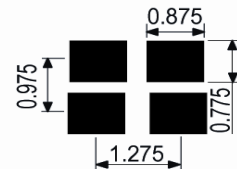


Underside View

### Pad Connections

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

### Solder Pad Layout



### CONTACT INFORMATION:

Würth Elektronik eiSos GmbH & Co. KG  
Max-Eyth-Str. 1, 74638 Waldenburg, Germany  
Tel: +49(0) 7942 945-0

Email: [eiSos@we-online.de](mailto:eiSos@we-online.de)  
Web: [www.we-online.com](http://www.we-online.com)

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