

### Description

- Quartz crystal in a ceramic package with an electron beam sealed metal lid.
- Model IQXC-240
- Model Issue number 6

### Frequency Parameters

- Frequency 37.40MHz
- Frequency Tolerance  $\pm 7.00$ ppm
- Tolerance Condition @25°C
- Frequency Stability  $\pm 15.00$ ppm
- Operating Temperature Range -30.00 to 85.00°C
- Overtone Order Fundamental

### Electrical Parameters

- Load Capacitance (CL) 5.00pF
- Shunt Capacitance (C0) 5pF max
- Drive Level 100µW max
- ESR 100.00Ω max

### Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Vibration: (JIS C 60068-2-6) Frequency sweep method shall be applied as follows. Quartz crystal units shall be vibrated with the sweeping frequency from 10Hz to 55Hz and return to 10Hz in 1 minute, with 1.5mm amplitude. This vibration shall be applied for 2 hours in each of the 3 perpendicular axes.
- Shock: (JIS C 60068-2-27) Quartz crystal units shall be accelerated at 9810m/s<sup>2</sup> by 1ms pulse duration. This shock shall be applied 3 times in each of the 3 perpendicular axes.

### Manufacturing Details

- RoHS Terminations MoNiAu
- RoHS Reflow Temp 260°C  $\pm 5^\circ\text{C}$  within 5s

### Compliance

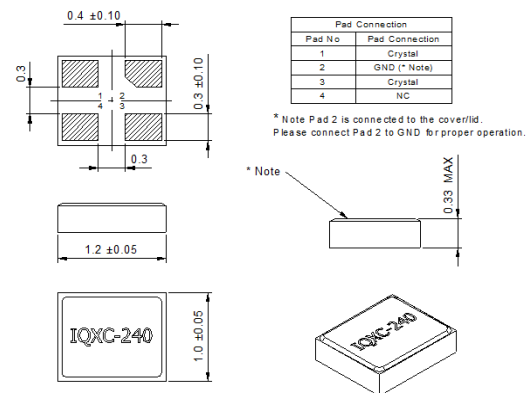
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging Details

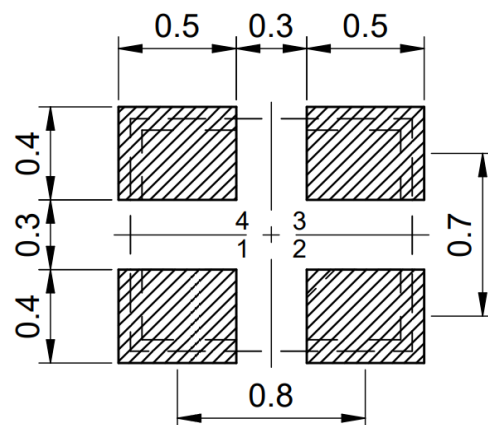
- Tape & reel in accordance with EIA-481
- Quantities below the standard reel size to be supplied on cut tape.
- Standard Quantity: 5,000 Pieces



### Outline (mm)



### Recommended Solder Pad Layout



### CONTACT INFORMATION:

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## Quartz Crystal Specification

*IQD Part No.: LFX TAL081314*

*Würth Part No. 830108131401*



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