

Customer Part:

Description

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

Frequency Parameters

- Frequency: 32.0MHz
- Frequency Tolerance: $\pm 10.00\text{ppm}$
- Tolerance Condition: @25°C
- Frequency Stability: $\pm 10.00\text{ppm}$
- Operating Temperature Range: -20.00 to 70.00°C
- Overtone Order: Fundamental

Electrical Parameters

- Load Capacitance (CL): 8.00pF
- Shunt Capacitance (C0): *****See Technical Notes*****
- Drive Level: 100µW max
- ESR: *****See Technical Notes*****

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/s² 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

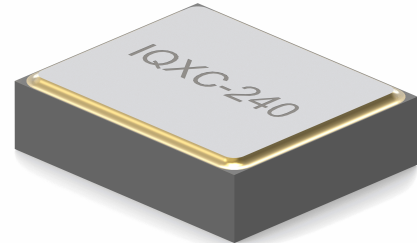
Packaging Details

- Tape & reel in accordance with EIA-481
Quantities below the standard reel size to be supplied on cut tape.

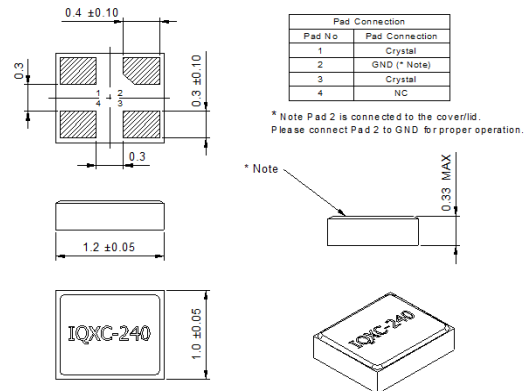
Standard Pack Quantity: 5,000

Technical Notes

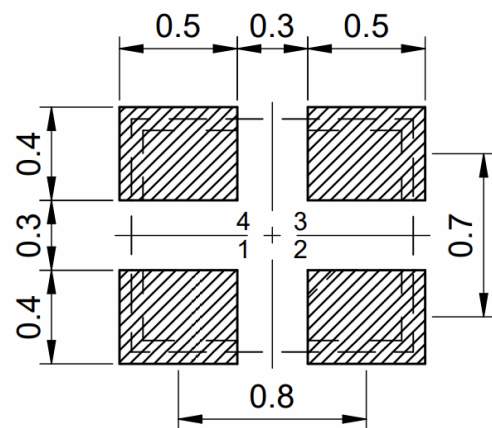
- Shunt Capacitance: 2pF
ESR: 80 Ohms max



Outline (mm)



Recommended Solder Pad Layout



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