



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 48.0MHz
- Frequency Tolerance @ 25°C $\pm 15.00\text{ppm}$
- Frequency Stability $\pm 15.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing $\pm 3\text{ppm}$ max per year @ 25°C

Electrical Parameters

- Load Capacitance (C_L) 10.00pF
- Shunt Capacitance (C_0) 3pF max
- Drive Level 100 μ W max
- ESR 60 Ω 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

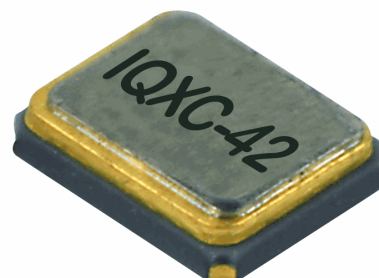
Compliance

- RoHS Status Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

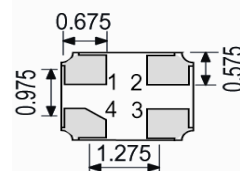
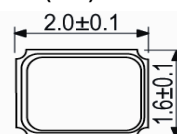
Packaging

- Pack Type: Bulk Loose in bulk pack
- Pack Size 100
- Alternative packing option available

This document is correct at the time of printing; please contact your local office for the latest version.



Outline (mm)

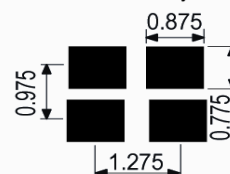


Underside View

Pad Connections

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

Solder Pad Layout



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