

Customer Part:

Description

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



Frequency Parameters

- Frequency 20.0MHz
- Frequency Tolerance $\pm 15.00\text{ppm}$
- Frequency Stability $\pm 20.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing $\pm 3\text{ppm}$ per year

Electrical Parameters

- Load Capacitance (CL) 10.00pF
- Shunt Capacitance (C0) 3pF max
- Drive Level 100 μW max
- ESR 120.00 Ω max

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Vibration (MIL-STD-202 Method 204): Frequency: 10 - 55 Hz. Amplitude: 0.7 - 0.9 mm pk-pk. Sweep: 1 minute. Duration: 2 hours in each of 3 mutually perpendicular direction.
- Shock Test (MIL-STD-202 Method 213. Condition C): Half-sine shock pulse peak acceleration of 100g ; pulse duration of 6ms.

Compliance

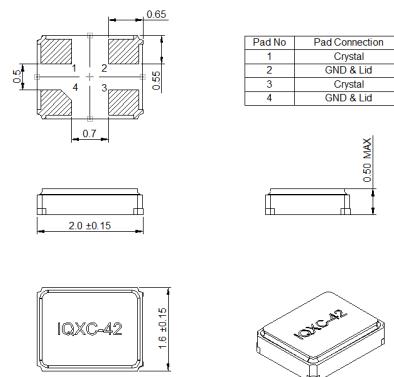
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

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

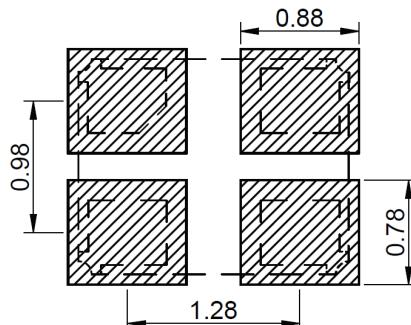
Standard Pack Quantity: 3,000

Outline (mm)



Note: The pad style on the base of the device may differ slightly from the drawing.
The chamber may appear on pad 2 or 4.
This causes no change to the electrical performance of the device.

Recommended solder pad layout



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