

Customer Part:

Description

- Standard 1.6 x 1.2mm SMD crystal in a hermetically sealed ceramic package with a sealed metal lid
- Model IQXC-26
- Model Issue number 5

Frequency Parameters

- Frequency 48.0MHz
- Frequency Tolerance $\pm 15.00\text{ppm}$
- Tolerance Condition @ 25°C
- Frequency Stability $\pm 15.00\text{ppm}$
- Operating Temperature Range -20.00 to 70.00°C
- Overtone Order Fundamental
- Ageing $\pm 3\text{ppm}$ max per year @ 25°C

Electrical Parameters

- Load Capacitance (CL) 8.00pF
- Shunt Capacitance (C0) 3pF max
- Drive Level 100µW max
- ESR 100.00Ω max

Environmental Parameters

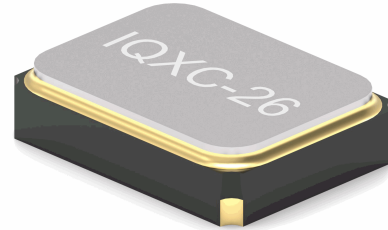
- Storage Temperature Range: -55 to 125°C
- Shock Test (MIL-STD-202 Method 213): Half Sine shock pulse with peak acceleration 500g.
Pulse duration: 0.3ms.
- Vibration (MIL-STD-202 Method 204): Frequency: 10 - 55 Hz.
Amplitude: 0.7 - 0.9 mm pk-pk. Sweep: 1 minute. Duration: 2 hours in each of 3 mutually perpendicular direction.

Compliance

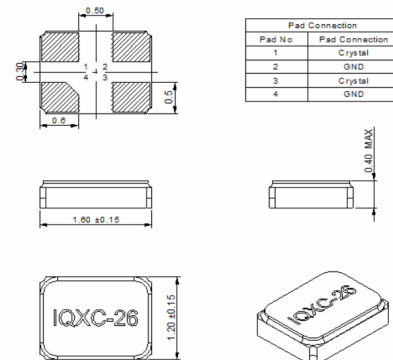
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

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

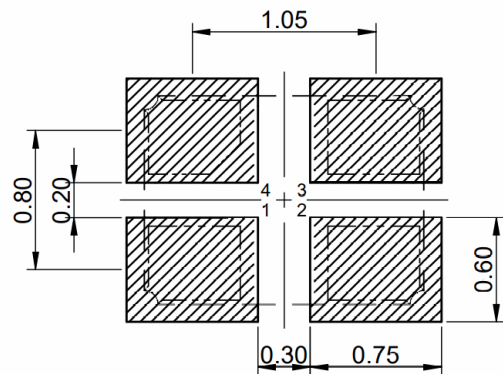


Outline (mm)



NOTE: The pad style on the base of the device may differ slightly from the drawing. The diameter may appear on Pad 1 or 4. This causes no change to the electrical performance of the device.

Recommended Solder Pad Layout



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