

Customer Part:

Description

- 1.6 x 1.0mm SMD crystal in a hermetically sealed ceramic package.
Suitable for real time clock applications.
- Model IQXC-90
- Model Issue number 1

Frequency Parameters

- Frequency 32.7680kHz
- Frequency Tolerance $\pm 20.00\text{ppm}$
- Tolerance Condition @ 25°C $\pm 5^\circ\text{C}$
- Overtone Order Fundamental
- Ageing $\pm 3\text{ppm}$ max in 1st year @ 25°C $\pm 3^\circ\text{C}$
- Frequency Stability Coefficient: $-0.036\text{ppm}/^\circ\text{C}^2 \pm 10\%$

Electrical Parameters

- Load Capacitance (CL) 12.50pF
- Shunt Capacitance (C0) 1.2pF typ
- Drive Level 500nW max
- ESR 90.00k Ω max

Environmental Parameters

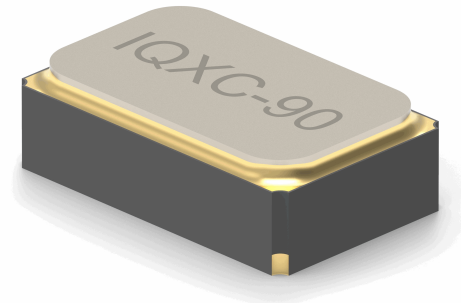
- Storage Temperature Range: -55 to 125°C
- Drop: 100g dummy, 150cm drop (3 directions x 10 times) onto concrete
- Vibration: 1.5mm amplitude, 10Hz-60Hz, 15mins in 3 mutually perpendicular planes, duration 2hrs each plane

Compliance

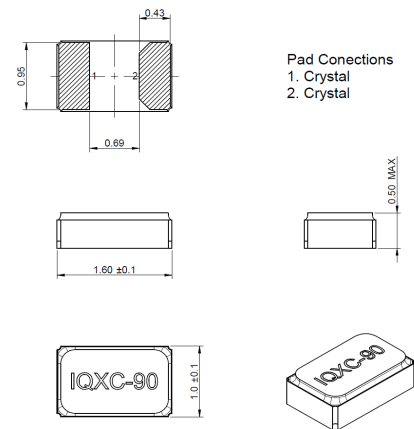
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

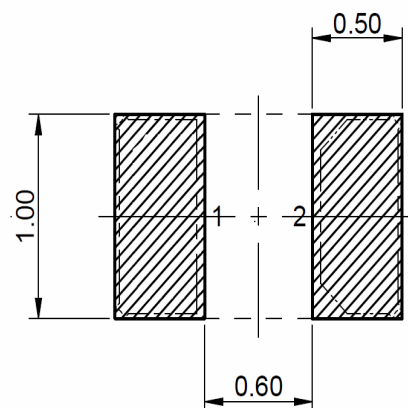
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
Pack Size: 5,000
- *Alternative packing option available*



Outline (mm)



Recommended Solder Pad Layout



Sales Office Contact Details:

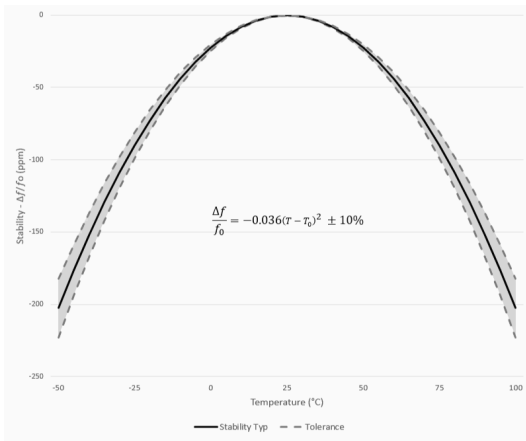
UK: +44 (0)1460 270200
Germany: 0800 1808 443

France: 0800 901 383
USA: +1.760.318.2824

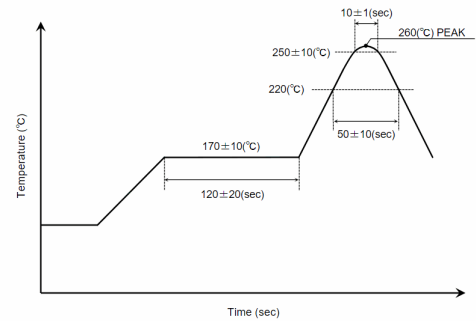
Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com

Customer Part:

Typical Frequency Stability Characteristics



Reflow Profile



Note:

- (1) The temperature used herein means the temperature on the circuit board.
- (2) Reflow is permitted 2 times.

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