

Customer Part:

Description

- Ceramic package with a hermetically seam sealed metal lid suitable for automotive applications. Qualified to AEC-Q200 and available with IATF-16949:2016 release. Not suitable for safety critical applications.
- 4 pad
- Model IQXC-180 AUTO-B
- Model Issue number 3

Frequency Parameters

- Frequency 12.0MHz
- Frequency Tolerance ±30.00ppm
- Tolerance Condition @25°C ±2°C
- Frequency Stability ±50.00ppm
- Operating Temperature Range -40.00 to 85.00°C
- Overtone Order Fundamental
- Ageing ±5ppm max per year @ 25°C

Electrical Parameters

- Load Capacitance (CL) 8.00pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 50µW standard, 200µW max
- ESR 200.00Ω max

Environmental Parameters

- Storage Temperature Range: -55°C to +150°C
- Qualified to AEC-Q200

Manufacturing Details

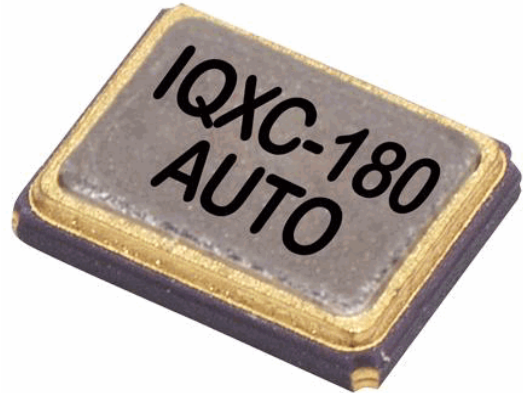
- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max for 10secs max

Compliance

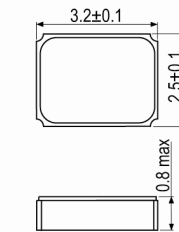
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

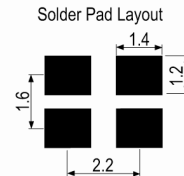
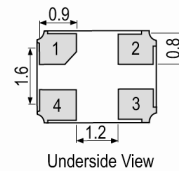
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
- Pack Size: 3,000
- *Alternative packing option available*



Outline (mm)



- Pad Connections**
1. Crystal
 2. GND
 3. Crystal
 4. GND



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