

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 $\pm 50.00\text{ppm}$
- Tolerance Condition $@25^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Frequency Stability $\pm 100.00\text{ppm}$
- Operating Temperature Range -40.00 to 125.00 $^{\circ}\text{C}$
- Overtone Order Fundamental
- Ageing $\pm 5\text{ppm}$ max per year @ 25 $^{\circ}\text{C}$

Electrical Parameters

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

Environmental Parameters

- Storage Temperature Range: -55 $^{\circ}\text{C}$ to +150 $^{\circ}\text{C}$
- Qualified to AEC-Q200

Manufacturing Details

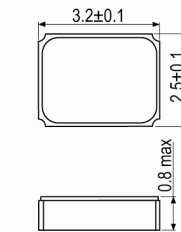
- RoHS Terminations NiAu
- RoHS Reflow Temp 260 $^{\circ}\text{C}$ max for 10secs max

Compliance

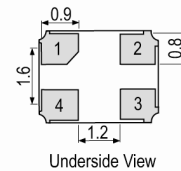
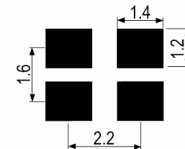
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

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


Solder Pad Layout

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