

**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  $\pm 30.00\text{ppm}$
- Tolerance Condition  $@25^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Frequency Stability  $\pm 50.00\text{ppm}$
- Operating Temperature Range -40.00 to 85.00°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 50µW standard, 200µW max
- ESR 200.00Ω 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°C max for 10secs max

**Compliance**

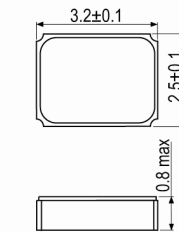
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

**Packaging Details**

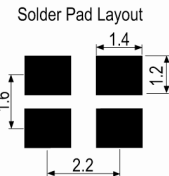
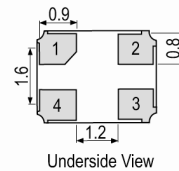
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
- Pack Size: 3,000
- *Alternative packing option available*



**Outline (mm)**



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



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