

**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 24.0MHz
- 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 $\mu\text{W}$  standard, 200 $\mu\text{W}$  max
- ESR 50.00 $\Omega$  max

**Environmental Parameters**

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

**Manufacturing Details**

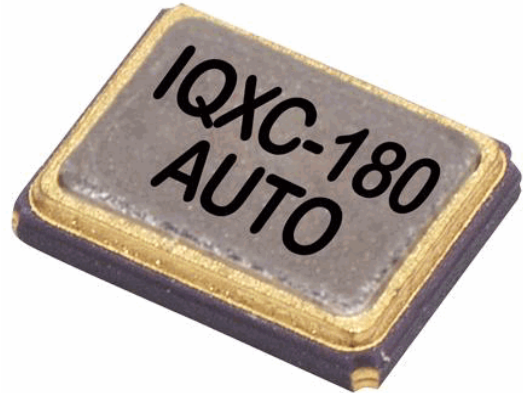
- RoHS Terminations NiAu
- RoHS Reflow Temp 260 $^{\circ}\text{C}$  max for 10secs max

**Compliance**

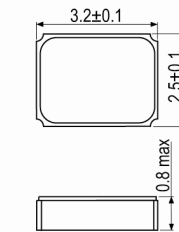
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

**Packaging Details**

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

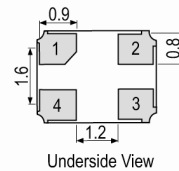


**Outline (mm)**

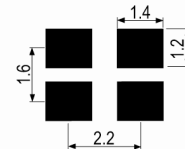


**Pad Connections**

1. Crystal
2. GND
3. Crystal
4. GND



**Solder Pad Layout**



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