

### 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°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°C to +150°C
- Qualified to AEC-Q200

### Manufacturing Details

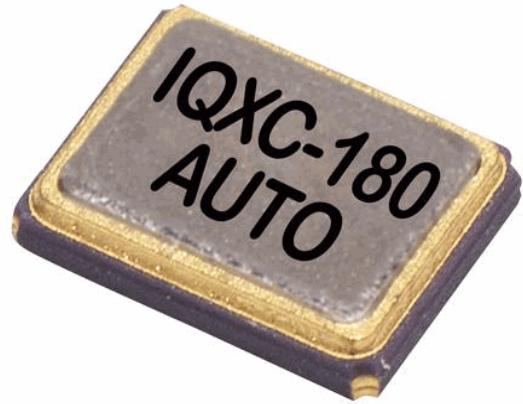
- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max for 10secs max

### Compliance

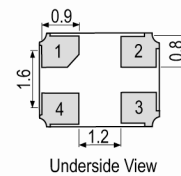
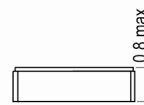
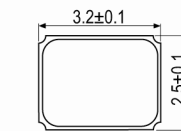
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging Details

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



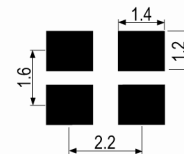
### Outline (mm)



### Pad Connections

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

### Solder Pad Layout



### Sales Office Contact Details:

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