

### Description

- Ceramic package with a hermetically seam sealed metal lid suitable for automotive applications. Qualified to AEC-Q200 and available with TS16949 release.
- 4 pad
- Model IQXC-180 AUTO-B
- Model Issue number 2

### Frequency Parameters

- Frequency 12.0MHz
- Frequency Tolerance  $\pm 50.00\text{ppm}$
- Tolerance Condition @25°C  $\pm 2^\circ\text{C}$
- Frequency Stability  $\pm 100.00\text{ppm}$
- Operating Temperature Range -40.00 to 125.00°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: -45°C to +130°C
- Qualified to AEC-Q200

### Manufacturing Details

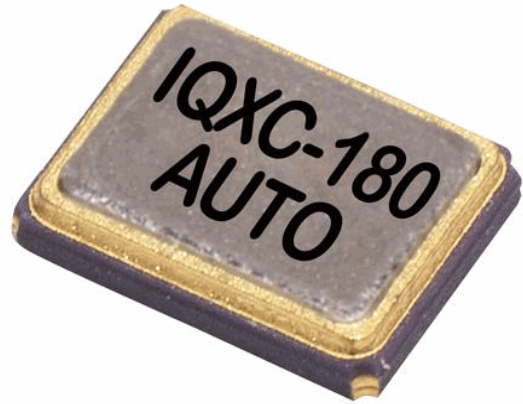
- Maximum Process Temperature: 260°C (10secs max)

### Compliance

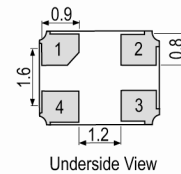
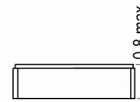
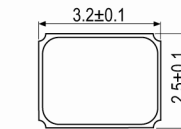
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

### Packaging Details

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



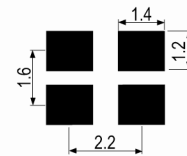
### Outline (mm)



#### Pad Connections

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

#### Solder Pad Layout



### Sales Office Contact Details:

UK: +44 (0)1460 270200  
Germany: 0800 1808 443

France: 0800 901 383  
USA: +1.760.318.2824

Email: [info@iqdfrequencyproducts.com](mailto:info@iqdfrequencyproducts.com)  
Web: [www.iqdfrequencyproducts.com](http://www.iqdfrequencyproducts.com)