

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 16.3840MHz
- 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 80.00Ω max

Environmental Parameters

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

Manufacturing Details

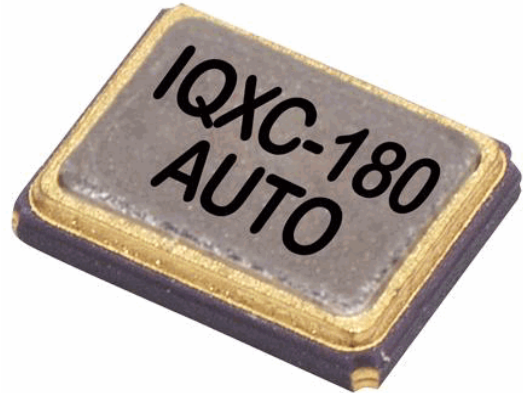
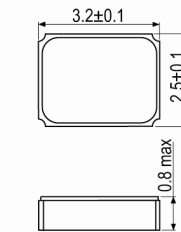
- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max for 10secs max

Compliance

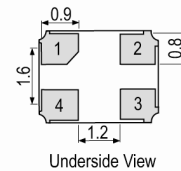
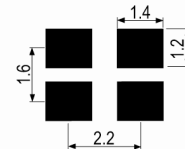
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

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


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
 Web: www.iqdfrequencyproducts.com