

### 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 16.0MHz
- 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 50 $\mu\text{W}$  standard, 200 $\mu\text{W}$  max
- ESR 80.00 $\Omega$  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

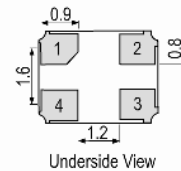
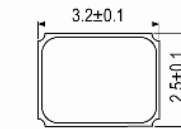
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

#### Packaging Details

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



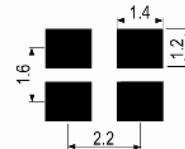
#### Outline (mm)



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