

## 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  $\pm 30.00\text{ppm}$
- Tolerance Condition  $@25^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Frequency Stability  $\pm 50.00\text{ppm}$
- Operating Temperature Range  $-40.00$  to  $85.00^{\circ}\text{C}$
- 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  $80.00\Omega$  max

## Environmental Parameters

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

## Manufacturing Details

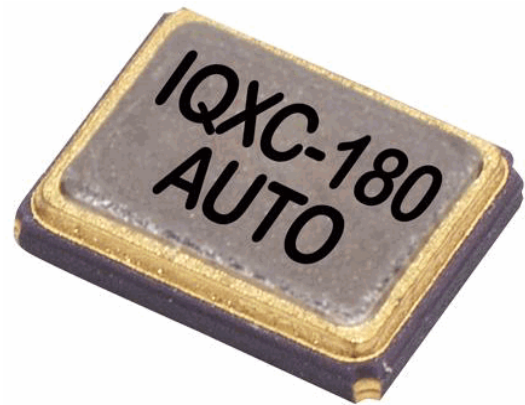
- RoHS Terminations NiAu
- RoHS Reflow Temp  $260^{\circ}\text{C}$  max for 10secs max

## Compliance

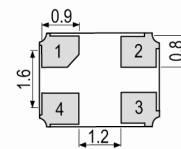
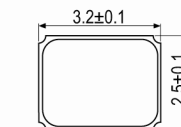
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

## Packaging Details

- Pack Style: Cutt Cut tape
- Pack Size: 100
- *Alternative packing option available*



## Outline (mm)

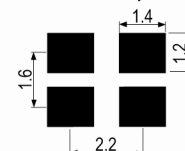


Underside View

## Pad Connections

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

## Solder Pad Layout



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