

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 27.0MHz
- 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°C
- Overtone Order Fundamental
- Ageing $\pm 5\text{ppm}$ max per year @ 25°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 50.00Ω max

Environmental Parameters

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

Manufacturing Details

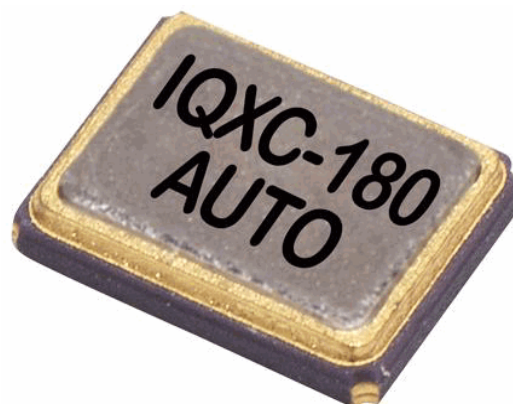
- RoHS Terminations NiAu
- RoHS Reflow Temp 260°C max for 10secs max

Compliance

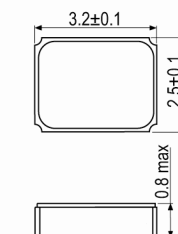
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

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

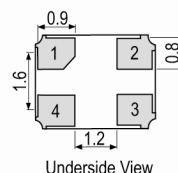


Outline (mm)

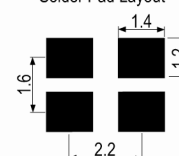


Pad Connections

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



Solder Pad Layout



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