

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
- Model Issue number 2

Frequency Parameters

- Frequency 27.0MHz
- 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 50.00Ω max

Environmental Parameters

- Storage Temperature Range: -45°C to +130°C
- Qualified to AEC-Q200

Manufacturing Details

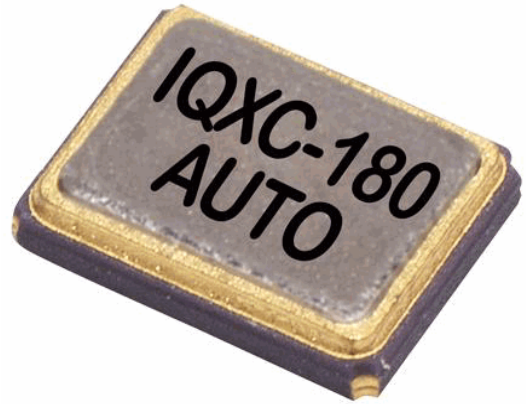
- Maximum Process Temperature: 260°C (10secs max)

Compliance

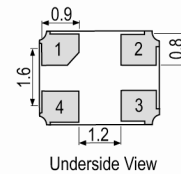
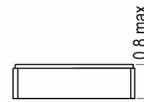
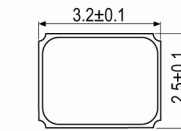
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

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



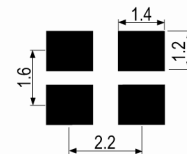
Outline (mm)



Pad Connections

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

Solder Pad Layout



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