IQXC-180 AUTO

ISSUE 1; 30 APRIL 2010 - RoHS 2002/95/EC

Holder Style

- Ceramic package with a hermetically seam sealed metal lid suitable for automotive applications. Qualified to AEC-Q200 and available with TS16949 release.

General Specifications

- Load Capacitance (CL): 8pF standard
- Drive Level: 50µW standard
- Shunt Capacitance (Co): 7pF max
- Ageing: ±5ppm max per year @ 25°C

Packaging

- Loose in bulk pack or tape and reel
- Tape & Reel in accordance with EIA-481

Standard Frequency Tolerances

- ±10ppm to ±50ppm

Standard Frequency Stabilities

- ±15ppm to ±100ppm

Operating Temperature Ranges

- –40 to 85°C
- –40 to 125°C

Storage Temperature Range

- –40 to 150°C

Environmental

- Qualified to AEC-Q200

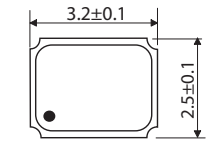
Marking includes

- Frequency + Date Code

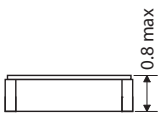
Minimum Order Information Required

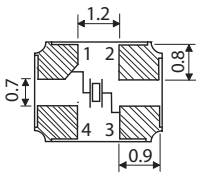
- Frequency + Holder + Frequency Tolerance @ 25°C + Frequency Stability + Operating Temperature Range + Circuit Condition

Outline (mm) IQXC-180B AUTO



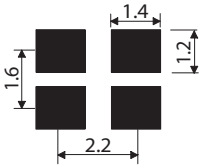
Pad Connections
1. Crystal
2. GND
3. Crystal
4. GND





Underside View

Solder pad layout



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Electrical Specifications – maximum limiting values

Frequency Range	Frequency Tolerance @25°C ±2°C	Operating Temperature Range	Frequency Stability Available Over Operating Temperature Range		ESR Max	Vibration Mode
			Minimum	Maximum		
16.0 to 26.0MHz	±10ppm to ±30ppm	–40 to 85°C	±15ppm	±50ppm	100Ω	Fundamental AT Cut
	±20ppm to ±50ppm	–40 to 125°C	±50ppm	±100ppm		
>26.0 to 32.0MHz	±10ppm to ±30ppm	–40 to 85°C	±15ppm	±50ppm	50Ω	
	±20ppm to ±50ppm	–40 to 125°C	±50ppm	±100ppm		
Note. For any other frequencies / specification combinations, please contact our sales office						

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