

ISSUE 1; April 2016

**Description**

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

**Frequency Parameters**

- Frequency 12.0MHz to 50.0MHz
- Frequency Tolerance  $\pm 10.00\text{ppm}$  to  $\pm 100.00\text{ppm}$
- Tolerance Condition @ 25°C
- Frequency Stability  $\pm 20.00\text{ppm}$  to  $\pm 100.00\text{ppm}$
- Ageing  $\pm 5\text{ppm}$  max per year @ 25°C

**Electrical Parameters**

- Load Capacitance (CL) 8.0pF to 30.0pF
- Shunt Capacitance (C0) 5pF max
- Drive Level 100µW max
- Note: Non-standard Load Capacitances and Drive Levels are available - please contact an IQD Sales Office.

**Operating Temperature Ranges**

- -40 to 85°C
- -40 to 125°C

**Environmental Parameters**

- Storage Temperature Range: -55 to 150°C
- Qualified to AEC-Q200

**Ordering Information**

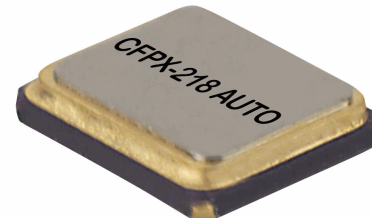
- Frequency\*
- Model\*
- Frequency Tolerance (@ 25°C)\*
- Frequency Stability (over operating temperature range)\*
- Operating Temperature Range\*
- Load Capacitance\*
- Overtone
- (\*minimum required)
- Example
- 20.0MHz CFPX-218 AUTO
- 50/100/-40 to 85C/16 FUND

**Compliance**

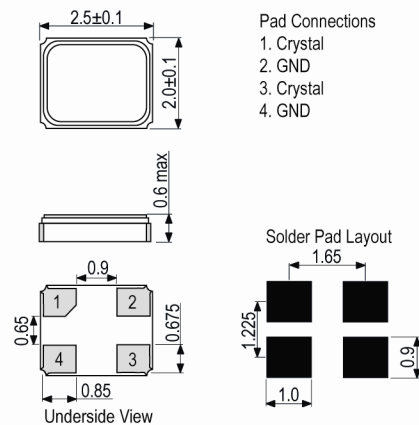
- RoHS Status (2011/65/EU) Compliant
- REACh Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

**Packaging Details**

- Pack Style: Cutt In tape, cut from a reel
- Pack Size: 1
- Pack Style: Reel Tape & reel in accordance with EIA-481-D
- Pack Size: 1,000
- Pack Style: Bulk Loose in bulk pack
- Pack Size: 100



**Outline (mm)**



**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)

**Electrical Specification - maximum limiting values**

Frequency Min	Frequency Max	Temperature Range	Stability* (Min)	Over Tone Order	ESR
		°C	ppm		Ω
12.0MHz	15.999999MHz	-40 to 85 -40 to 125	±20 ±50	Fundamental	300
16.0MHz	29.999999MHz	-40 to 85 -40 to 125	±20 ±50	Fundamental	100
30.0MHz	50.0MHz	-40 to 85 -40 to 125	±20 ±50	Fundamental	70

\*Stability Maximum values ±100ppm

*This document was correct at the time of printing; please contact your local sales office for the latest version.*

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