

ISSUE 8; July 2016

Description

- Quartz crystal in a ceramic package with a resin sealed ceramic lid, hermetically sealed
- Not recommended for new designs
- For alternative see model CFPX-225

Frequency Parameters

- Frequency 8.0MHz to 150.0MHz
- Frequency Tolerance $\pm 50.00\text{ppm}$
- Tolerance Condition @ $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$
- Frequency Stability $\pm 50.00\text{ppm}$
- Ageing $\pm 5\text{ppm}$ max per year @ 25°C

Electrical Parameters

- Load Capacitance (CL) 10.0pF to 75.0pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 100 μW max

Operating Temperature Ranges

- -10 to 60°C

Environmental Parameters

- Storage Temperature Range: -40 to 85°C
- Shock: MIL-STD-202F, Method 213B: 1000G, 0.5ms
- Vibration: MIL-STD-202F, Method 204D, Test Condition D: 20G (10Hz-2000Hz), 4hrs in 3 mutually perpendicular planes (total 12hrs)

Ordering Information

- Frequency*
- Model*
- Frequency Tolerance (@ 25°C)
- Frequency Stability (over operating temperature range)
- Operating Temperature Range
- Load Capacitance*
- Fundamental or Overtone AT cut*
- (*minimum required)
- Example
- 20.0MHz 4SMX
- 50/50/-10 to 60°C /30 FUND
- Note: For other frequency/specification combinations please contact our sales offices

Compliance

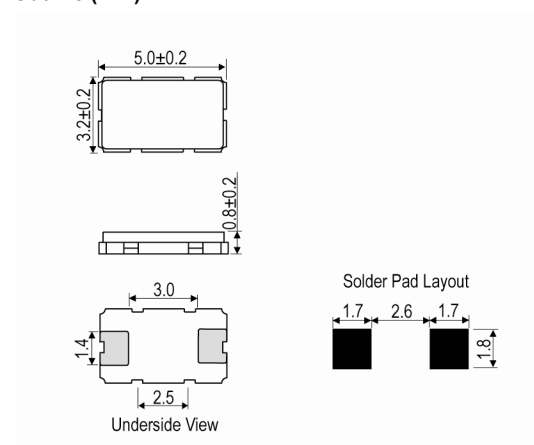
- RoHS Status (2011/65/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging Details

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



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
Web: www.iqdfrequencyproducts.com

Electrical Specification - maximum limiting values

Frequency Min	Frequency Max	Temperature Range	Stability (Min)	Over Tone Order	ESR
		°C	ppm		Ω
8.0MHz	8.999999MHz	-10 to 60	±50	Fundamental	300
9.0MHz	9.999999MHz	-10 to 60	±50	Fundamental	200
10.0MHz	11.999999MHz	-10 to 60	±50	Fundamental	80
12.0MHz	15.999999MHz	-10 to 60	±50	Fundamental	60
16.0MHz	50.0MHz	-10 to 60	±50	Fundamental	40
50.0MHz	150.0MHz	-10 to 60	±50	3rd Overtone	80

*Stability Maximum values ±50ppm

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

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