

ISSUE 2; January 2024

**Description**

- 3.2 x 2.5mm SMD crystal.  
Ceramic package with a seam sealed metal lid, hermetically sealed.  
Suitable for Industrial applications qualified to AEC-Q200 Rev D.  
Please see our CFPX-180 for standard stock alternative.
- B variant = 4 Pad Layout (Standard)

**Frequency Parameters**

- Frequency 16.0MHz to 32.0MHz
- Frequency Tolerance  $\pm 10.00\text{ppm}$  to  $\pm 50.00\text{ppm}$
- Frequency Stability  $\pm 15.00\text{ppm}$  to  $\pm 100.00\text{ppm}$
- Ageing  $\pm 5\text{ppm}$  max per year @ 25°C

**Electrical Parameters**

- Load Capacitance (CL) 8.0pF
- Shunt Capacitance (C0) 7pF max
- Drive Level 50µW standard

**Operating Temperature Ranges**

- 20 to 125°C
- 40 to 85°C

**Environmental Parameters**

- Storage Temperature Range: -40 to 150°C
- Qualified to AEC-Q200 Rev D

**Ordering Information**

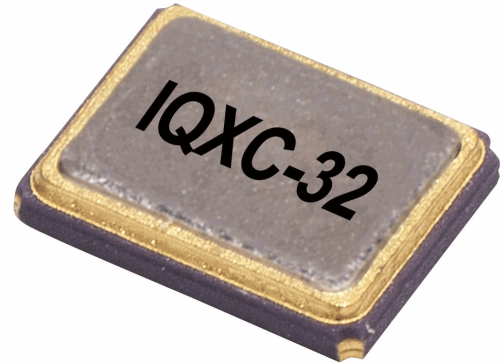
- Frequency\*  
Model\*  
Frequency Tolerance (@25°C)\*  
Frequency Stability (over operating temperature range)\*  
Operating Temperature Range\*  
Load Capacitance\*  
Overtone
- Example  
20.00MHz IQXC-32-B  
30/50/-40 to 85C/8 FUND

**Compliance**

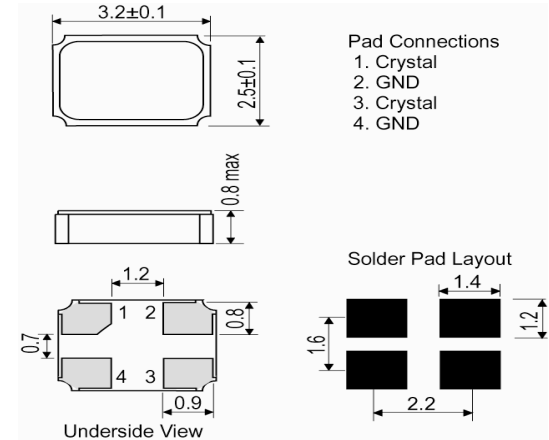
- RoHS Status (2015/863/EU) Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

**Packaging Details**

- Pack Style: Cutt Cut tape  
Pack Size: 100
- Pack Style: Reel Tape & reel in accordance with EIA-481-D  
Pack Size: 3,000



Outline (mm) B = variant = 4 Pad Layout (Standard)



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Electrical Specification - maximum limiting values

Frequency Min	Frequency Max	Temperature Range	Stability (Min)	Over Tone Order	ESR
		°C	ppm		Ω
16.0MHz	26.0MHz	-20 to 125 -40 to 85	±50 ±15	Fundamental	100 100
26.000001MHz	32.0MHz	-20 to 125 -40 to 85	±50 ±15	Fundamental	50 50

*\*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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