

ISSUE 2; June 2016

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.
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

- -40 to 85°C
- -20 to 125°C

Environmental Parameters

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

Ordering Information

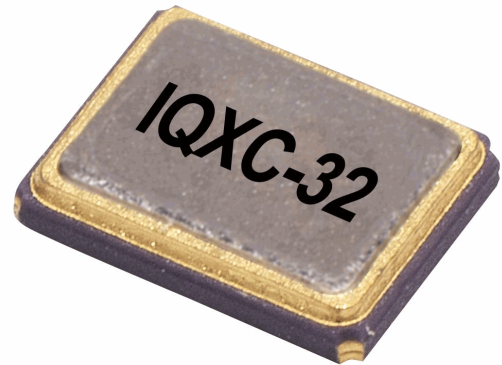
- Frequency*
Model*
Frequency Tolerance (@25°C)*
Frequency Stability (over operating temperature range)*
Operating Temperature Range*
Load Capacitance*
Overtone
- Example
20.00MHz IQXC-32-B
30/50/-40 to 85C/8 FUND

Compliance

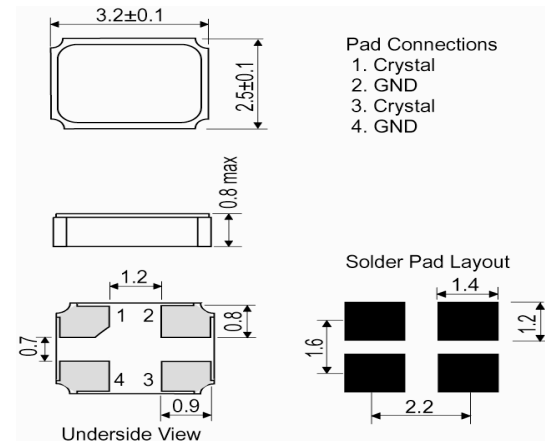
- RoHS Status (2011/65/EU) Compliant
- REACh Status Compliant
- MSL Rating (JEDEC-STD-033): Not Applicable

Packaging Details

- 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
26.000001MHz	32.0MHz	-20 to 125 -40 to 85	±50 ±15	Fundamental	50

**Stability Maximum values ±100ppm*

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