



ISSUE 3; February 2012 - RoHS 2011/65/EU

Description

- 3.2 x 1.5mm SMD crystal in a ceramic package with a seam sealed metal lid, hermetically sealed
- Suitable for real time clock applications

Frequency Range

- | | |
|-----------------------|-----------|
| ■ Frequency | 32.768kHz |
| ■ Frequency Tolerance | ±20ppm |

General Specification

- | | |
|--------------------------|------------------------------|
| ■ Load Capacitance (CL) | 12.5pF |
| ■ Drive Level | 1µW max |
| ■ Ageing | ±3ppm max first year at 25°C |
| ■ Shunt Capacitance (C0) | 1.05pF typical |

Operable Temperature Range

- -40 to 85°C

Frequency Stability

- Typical Frequency Stability Coefficient: -0.034/°C²

Environmental Parameters

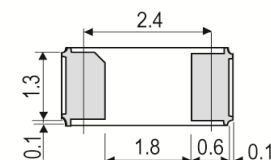
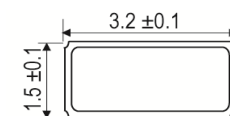
- Operable Temperature Range: -40 to 85°C
- Storage Temperature Range: -55 to 125°C
- Drop: 100g dummy, 150cm drop (3 directions x 10 times) onto concrete
- Vibration: 1.5mm amplitude, 10Hz-500Hz, full sine wave or acceleration 10G, 1.5mins in 3 mutually perpendicular planes, duration 2hrs each plane

Ordering Information (*minimum required)

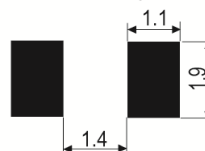
- Frequency*
- Model*
- Frequency Tolerance (@ 25°C)*
- Load Capacitance*
- (*minimum required)
- Example:
32.7680kHz CFPX-217
20/-/12.5

Packing Details

- | | |
|---------------------------|--|
| ■ Pack Style: Bulk | Loose in bulk pack |
| Pack Size | 100 |
| ■ Pack Style: Reel | Tape & reel in accordance with EIA-481-D |
| Pack Size | 3,000 |
- Alternative packing options available

**Outline (mm)**

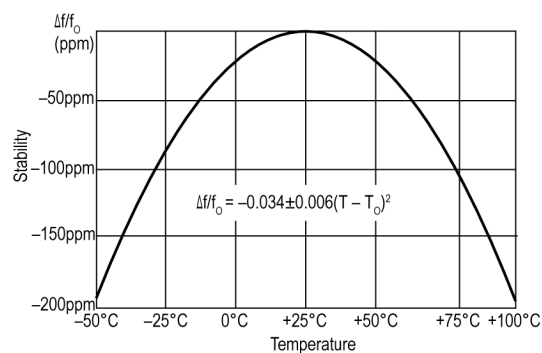
Underside View

Solder Pad Layout**Sales Office Contact Details:**

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**Typical Frequency Stability Characteristics****Electrical Specification - maximum limiting values**

Frequency Range	Frequency Tolerance @ 25°C ±5°C	Typical Frequency Stability Coefficient	Temperature Range	ESR Max	Vibration Mode
32.768kHz	±20ppm	-0.034ppm/°C²	-40 to 85°C	80kΩ	Tuning Fork

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

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