

## CFPX-217 CRYSTALS

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### Description

- 3.2 x 1.5mm SMD crystal
- Suitable for real time clock applications
- Ceramic package with a seam sealed metal lid, hermetically sealed
- Stock parts listed at the beginning of this chapter

### General Specification

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

### Standard Frequency Tolerance

- ±20ppm

### Operable Temperature Range

- 40 to 85°C

### Storage Temperature Range

- 55 to 125°C

### Environmental

- 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

### Packaging

- Loose in bulk pack, 100pcs per bag
- Tape and reel in accordance with EIA-481-D, 3kpcs per reel (please see pages 372 & 373)

### Ordering Information (\*minimum required)

- Frequency\*
- Model\*
- Frequency Tolerance (@25°C)\*
- Load Capacitance\*

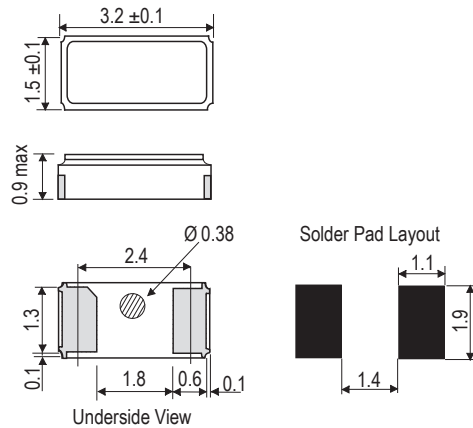
### Example

- 32.768kHz CFPX-217  
20I-/12.5

### Electrical Specifications – maximum limiting values

Frequency Range	Frequency Tolerance @25°C ±5°C	Operable Temperature Range	Typical Frequency Stability Coefficient	ESR Max	Vibration Mode
32.768kHz	±20ppm	-40 to 85°C	-0.034/°C <sup>2</sup>	70kΩ	Tuning Fork

### Outline (mm)



### Typical Frequency Stability Characteristic

