

## CFPX-56 CRYSTALS

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### Description

- 2 x 6mm watch crystal with pre-formed legs to make a SMD package
- Suitable for real time clock applications
- Stock parts listed at the beginning of this chapter

### General Specification

- Load Capacitance (CL): 12.5pF standard
- Drive Level: 1.0µW max
- Ageing ±5ppm max in 1st year
- Shunt Capacitance (C<sub>0</sub>) 1.6pF typ
- Motional Capacitance (C<sub>1</sub>) 3.2fF typ

### Standard Frequency Tolerance

- ±20ppm

### Operable Temperature Range

- 10 to 60°C

### Storage Temperature

- 40 to 85°C

### Environmental

- Drop: 75cm drop (3 times) onto hard wooden board
- High Temperature Storage: 85°C for 24hrs

### Packaging

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

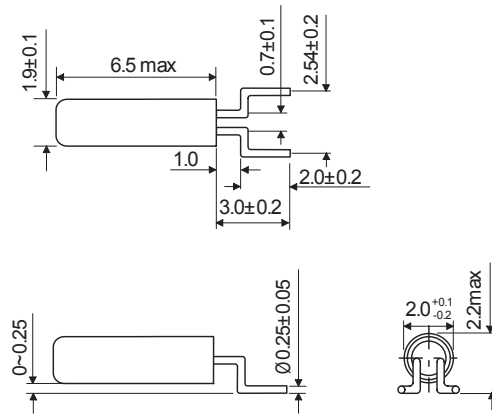
### Ordering Information (\*minimum required)

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

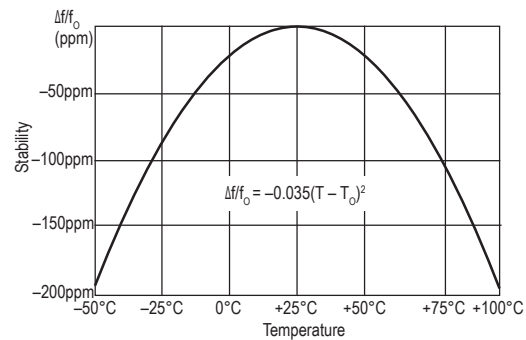
### Example

- 32.768kHz CFPX-56  
20/-/12.5

### Outline (mm)



### Typical Frequency Stability Characteristic



### Electrical Specifications – maximum limiting values

Frequency Range	Frequency Tolerance @25°C ±2°C	Operable Temperature Range	Typical Frequency Stability Coefficient	ESR Max	Vibration Mode
32.7680kHz	±20ppm	-10 to 60°C	-0.035/°C <sup>2</sup>	40kΩ	Tuning Fork