



ISSUE 5; May 2013 - RoHS 2011/65/EU

Description

- 2 x 6mm watch crystal with pre-formed legs to make a SMD package.
Suitable for real time clock applications.

Frequency Range

- Frequency 32.768kHz
- Frequency Tolerance ±20ppm

General Specification

- Load Capacitance (CL) 12.5pF Standard
- Drive Level 1.0µW max
- Ageing ±5ppm max in 1st year
- Shunt Capacitance (C0) 1.6pF typical

Operable Temperature Range

- -40 to 85°C

Electrical Parameters

- Motional Capacitance (C1) 3.2fF typ
- Frequency Stability Coefficient: -0.034ppm/°C² ±0.006ppm/°C²

Environmental Parameters

- High Temperature Storage: 85°C for 24hrs
- Drop: 75cm drop (3 times) onto hard wooden board
- Storage Temperature Range: -40 to 85°C

Manufacturing Details

- Suitable for reflow soldering at 245°C max for 10sec max x 1 cycle

Ordering Information (*minimum required)

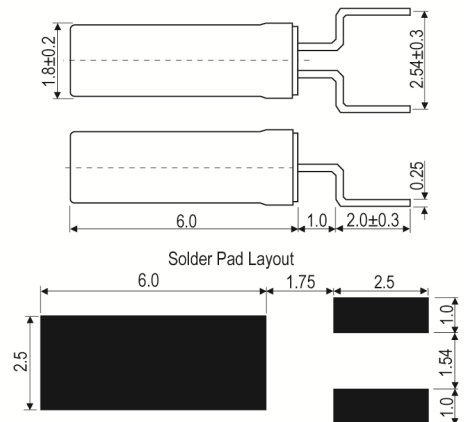
- Frequency*
Model*
Frequency Tolerance @25°C
Load Capacitance*
- Example
32.768kHz CFPX-56
20/-/12.5

Packing Details

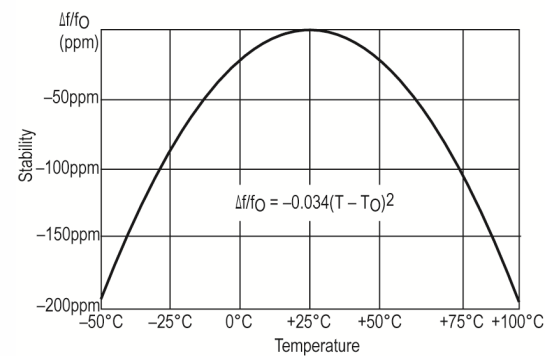
- Pack Style: **Bulk** Loose in bulk pack
Pack Size 100
- Pack Style: **Reel** Tape and reel in accordance with EIA-481-D
Pack Size 3,000
- Alternative packing options available



Outline (mm)



Typical Frequency Stability Characteristics



Sales Office Contact Details:

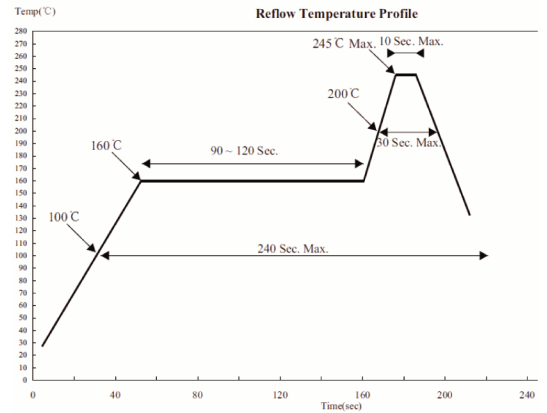
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Reflow Temperature Profile



Electrical Specification - maximum limiting values

Frequency Range	Frequency Tolerance @ 25°C	Typical Frequency Stability Coefficient	Temperature Range	ESR Max	Vibration Mode
32.768kHz	±20ppm	-0.034ppm/°C ²	-40 to 85°C	40kΩ	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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