



ISSUE 4; February 2012 - RoHS 2011/65/EU

Description

- Plastic moulded surface mount watch crystal

Frequency Range

- Frequency 32.768kHz
- Frequency Tolerance ± 20 ppm

General Specification

- Load Capacitance (CL) 12.5pF Standard
- Drive Level 1.0 μ W max
- Ageing ± 3 ppm max in 1st year @ 25°C
- Shunt Capacitance (C0) 0.8pF typ

Operable Temperature Range

- 40 to 85°C

Electrical Parameters

- Motional Capacitance (C1): 1.9fF typ

Frequency Stability

- Frequency Stability Coefficient: -0.035/°C² typ

Environmental Parameters

- Storage Temperature Range: -55 to 125°C
- Drop: 75cm drop (3 times) onto hard wooden board
- Vibration: 1.5mm amplitude, 10Hz-60Hz, 2-3mins in 3 mutually perpendicular planes, duration 2hrs each plane
- Thermal Shock: 20 cycles of -25°C to 80°C over a duration of 30mins

Ordering Information (*minimum required)

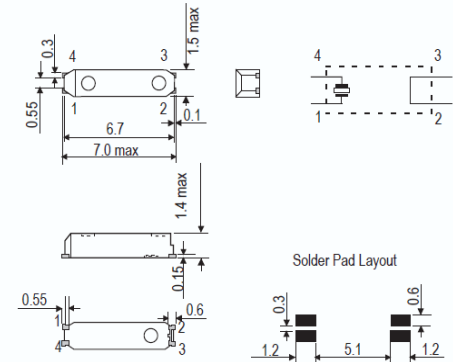
- Frequency*
- Model*
- Frequency Tolerance (@ 25°C)
- Load Capacitance* (*minimum required)
- Example
32.768kHz CFPX-155
20/-/12.5

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)

Outline (mm)



Sales Office Contact Details:

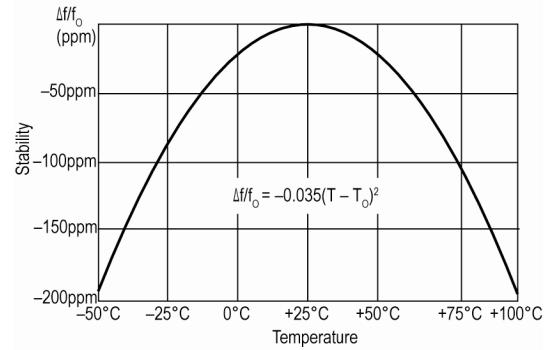
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Typical Frequency Stability Characteristic



Electrical Specification - maximum limiting values

Frequency Range	Frequency Tolerance @ 25°C ±2°C	Typical Frequency Stability Coefficient	Temperature Range	ESR Max	Vibration Mode
32.768kHz	±20ppm	-0.035ppm/°C ²	-40 to 85°C	65kΩ	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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