



ISSUE 5; August 2014 - 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 Parameters

- Frequency 32.768kHz
- Frequency Tolerance ±20.00ppm
- Tolerance Condition @ 25°C
- Ageing ±5ppm max in 1st year

Electrical Parameters

- Load Capacitance (CL) 6.0pF to 12.5pF
- Shunt Capacitance (C0) 1.6pF typical
- Drive Level 1.0µW max
- Motional Capacitance (C1) 3.2fF typ
- Frequency Stability Coefficient: -0.034ppm/°C² ±0.006ppm/°C²

Operating Temperature Ranges

- 40 to 85°C

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

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

Compliance

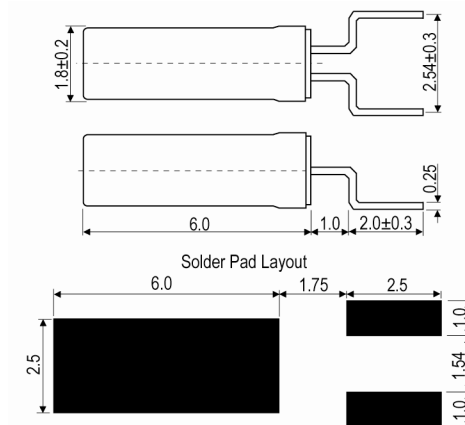
- RoHS Status Compliant
- REACH Status Compliant
- MSL Rating (JDEC-STD-033): Not Applicable

Packaging 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



Outline (mm)



Sales Office Contact Details:

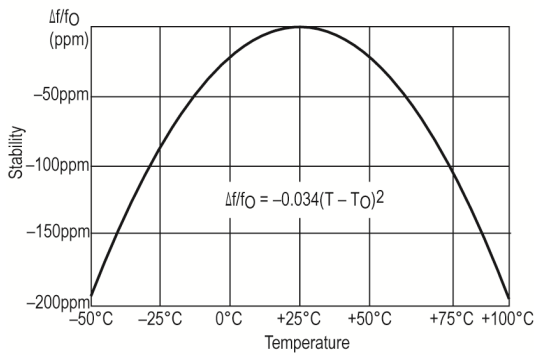
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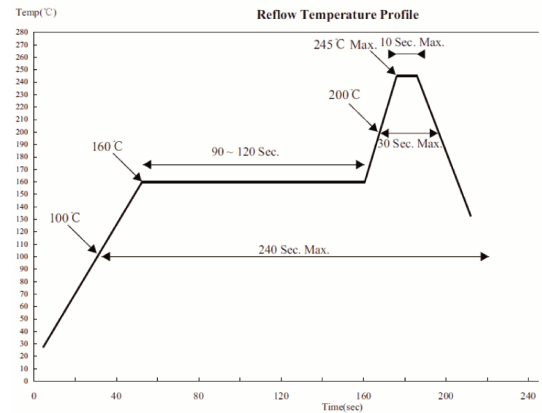
Email: info@iqdfrequencyproducts.com
Web: www.iqdfrequencyproducts.com



Typical Frequency Stability Characteristics



Reflow Temperature Profile



Electrical Specification - maximum limiting values

Frequency	Temperature Range	Stability (min)	Over Tone Order	ESR
	°C	ppm		Ω
32.768000kHz	-40 to 85	-	Fundamental	40,000

*This document was correct at the time of printing; please contact your local sales office for the latest version.
[Click to view latest version on our website.](#)*

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