



ISSUE 11; February 2012 - RoHS 2011/65/EU

Description

- Industry standard package
- Suitable for real time clock applications
- Plastic encapsulated

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 ± 5 ppm max per year @ 25°C
- Shunt Capacitance (C0) 1pF typ

Operable Temperature Range

- 40 to 85°C

Environmental Parameters

- Operable Temperature Range: -40 to 85°C
- 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

Ordering Information (*minimum required)

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

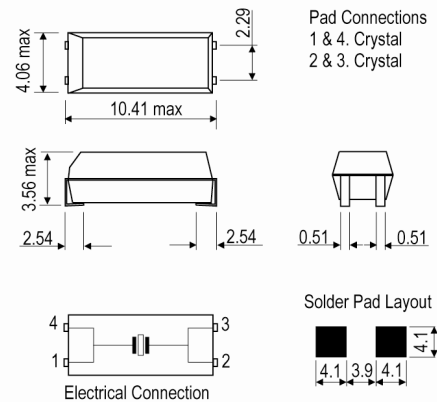
Example
 32.768kHz 91SMX
 20/-/12.5

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 2,000
- Alternative packing options available



Outline (mm)



Sales Office Contact Details:

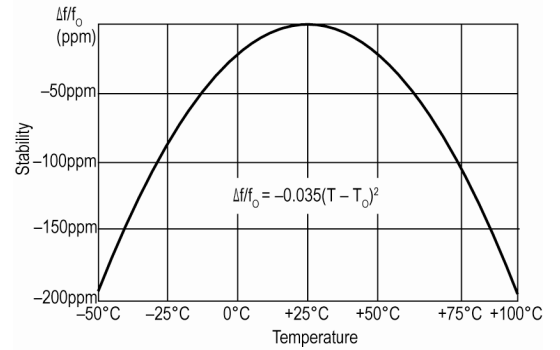
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Typical Frequency Stability Characteristics



Electrical Specification - maximum limiting values

| Frequency Range | Frequency Tolerance | Typical Frequency Stability Coefficient | Temperature Range | ESR Max | Vibration Mode |
|-----------------|---------------------|---|-------------------|---------|----------------|
| 32.768kHz | ±20ppm | -0.035ppm/°C ² | -40 to 85°C | 50kΩ | 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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