



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

Description

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

Frequency Range

- Frequency: 0.032768 to 0.032768MHz
- Frequency Stability: ±0.00ppm
- Frequency Tolerance: 20ppm

General Specification

- Load Capacitance (CL): 6.0pF to 12.5pF or Series
- Drive Level: 1.0µW max
- Ageing: ±5ppm max per year @ 25°C
- Shunt Capacitance (C0): 1pF typ

Operating Temperature Ranges

- 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

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

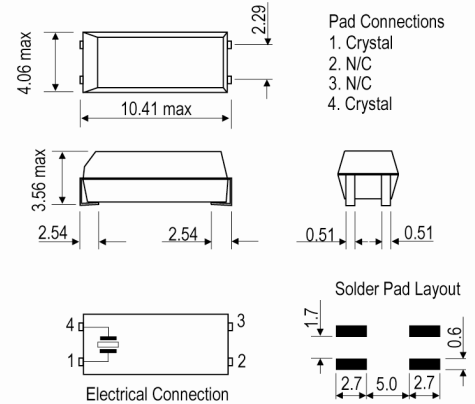
Example
 32.768kHz 90SMX
 20/-/12.5

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:

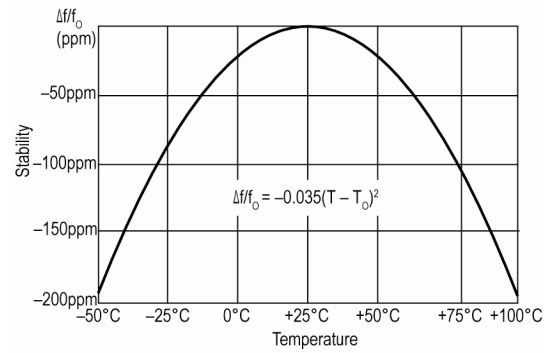
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Typical Frequency Stability Characteristics



Electrical Specification - maximum limiting values

Frequency Range	Frequency Tolerance	Stability		Temperature Range	ESR Max	Vibration Mode
		Min	Max			
32.768000 to <32.768000k	±20ppm to ±20ppm	±0ppm	±0ppm	-40 to 85°C	50,000Ω	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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