



Scale 3:1

## Features

- ▄▄▄▄ **High shock & vibration resistance**
- ▄▄▄▄ **Military temperature range option**
- ▄▄▄▄ **Low power consumption**
- ▄▄▄▄ **Miniature ceramic package**

## Specifications

Parameters	Product	Option
	CC5V	Code
Terminations: Gold plated pads	■	T1A
Frequency range: 32.768kHz 32.0 ~ 100kHz	■ □	
Calibration tolerance: ±20ppm Other	■ □	specify
Operating temperature range: -40 to +85°C -55 to +125°C	■ □	M
Storage temperature range: -55 to +125°C	■	
Circuit condition: 7pF 9pF 12.5pF Other values	□ ■ □ □	specify specify specify
Static capacitance (C <sub>0</sub> ): 1.4pF typ	■	
Motional capacitance (C <sub>1</sub> ): 2.1fF typ	■	
Equivalent series resistance: 60kΩ typ, 80kΩ max @ 25°C	■	
Ageing: ±3ppm max first year	■	
Drive level: 1.0μW max	■	
Turnover temperature (T <sub>0</sub> ): +25°C ±5°C	■	
Frequency / temp coefficient: -0.035ppm/°C <sup>2</sup> ±10%	■	
Shock resistance: ±5ppm, 5,000g, 0.3ms, ½ sine	■	
Vibration resistance: ±5ppm, 20g, 10.0 ~ 2,000Hz	■	
Soldering condition: Reflow, 260°C, 20 sec max	■	

■ Standard. □ Optional - Please specify required code(s) when ordering

## Ordering Information

Product name + termination + option codes (if any) + frequency + calibration tolerance

eg: **CC5V-T1A 32.768kHz ±30ppm** -40+85°C

**CC5V-T1A/M 32.768kHz ±100ppm** -55+125°C

Option code X (eg CC5V-T1A/X) denotes a custom spec.

- ◆ Available on T&R 1k, 3k or 14k pcs/reel
- ◆ Specifications vary by frequency. Specifications shown are for 32.768kHz.
- ◆ Refer to our website for T&R and soldering details.
- ◆ Ask about higher shock & vibration specifications.