



## Features

- ▣ High shock & vibration resistance
- ▣ Military temperature range -55+125°C option
- ▣ Low power consumption
- ▣ Miniature ceramic package

## Specifications

| Parameters   | Product          | Option Code                   |
|--|------------------|-------------------------------|
|  | CC5V             |                               |
| Terminations: Gold plated pads                               | ■                | T1A                           |
| Frequency range: 32.768kHz<br>32.0 ~ 100kHz                  | ■<br>□           |                               |
| Calibration tolerance: ±20ppm<br>Other                       | ■<br>□           | specify                       |
| Operating temperature range: -40 to +85°C<br>-55 to +125°C   | ■<br>□           | M                             |
| Storage temperature range: -55 to +125°C                     | ■                |                               |
| Circuit condition: 7pF<br>9pF<br>12.5pF<br>Other values      | □<br>■<br>□<br>□ | specify<br>specify<br>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.