



## Features

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

## Specifications

Parameters	Product	Option Code
	CC7V	
<b>Terminations:</b> Gold plated pads	■	T1A
<b>Frequency range:</b> 32.768kHz	■	
<b>Calibration tolerance:</b> ±30ppm ±100ppm	■ □	specify
<b>Operating temperature range:</b> -40 to +85°C -55 to +125°C	■ □	M
<b>Storage temperature range:</b> -55 to +125°C	■	
<b>Circuit condition:</b> 9pF 12.5pF	■ □	specify
<b>Static capacitance (C<sub>0</sub>):</b> 1.0pF typ	■	
<b>Motional capacitance (C<sub>1</sub>):</b> 4.0fF typ	■	
<b>Equivalent series resistance:</b> 50kΩ typ, 70kΩ max	■	
<b>Ageing:</b> ±3ppm max first year	■	
<b>Drive level:</b> 1.0μW max	■	
<b>Turnover temperature (T<sub>0</sub>):</b> +25°C ±5°C	■	
<b>Frequency / temp coefficient:</b> -0.035ppm/°C <sup>2</sup> typ	■	
<b>Shock resistance:</b> ±5ppm, 5,000g, 0.3ms, ½ sine	■	
<b>Vibration resistance:</b> ±5ppm, 20g, 10.0 ~ 2,000Hz	■	
<b>Soldering condition:</b> 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

eg: **CC7V-T1A 32.768kHz ±30ppm** -40+85°C

**CC7V-T1A/M 32.768kHz ±100ppm** -55+125°C

Option code X (eg CC7V-T1A/X) denotes a custom spec.

- ◆ Available on T&R (3k, 7k or 14k pcs/reel) or trays (200pcs/tray).
- ◆ Refer to our website for T&R and soldering details.
- ◆ Ask about higher shock & vibration specifications.