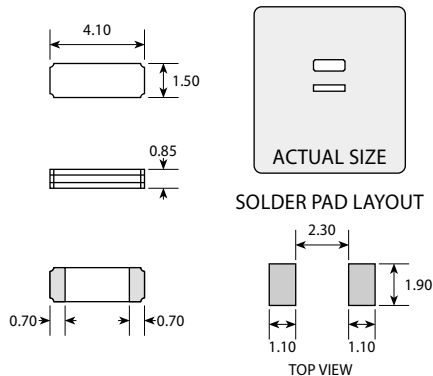
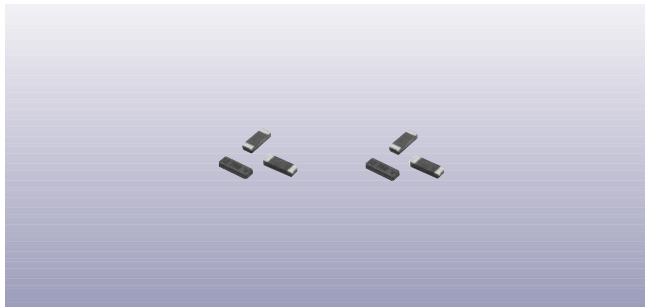




Features

- ▶ **Smallest watch crystal in the world**
- ▶ **High shock & vibration resistance**
- ▶ **Military temperature range option**
- ▶ **Low power consumption**
- ▶ **Miniature ceramic package**

Specifications

Parameters	Product	Option Code
	CC5V	
Terminations: Gold plated pads Ni+Sn plated pads	☒ ☐	T1 T2
Frequency range: 32.768kHz 32.0 ~ 100kHz	☒ ☐	
Calibration tolerance: ±30ppm Other	☒ ☐	specify
Operating temperature range: -40 to +85°C -55 to +125°C	☒ ☐	I M
Storage temperature range: -55 to +125°C	☒	
Circuit condition: 9pF	☒	
Static capacitance (C₀): 1.4pF typ	☒	
Motional capacitance (C₁): 2.25fF typ	☒	
Equivalent series resistance: 70kΩ typ, 100kΩ max	☒	
Ageing: ±3ppm max first year	☒	
Drive level: 1.0μW max	☒	
Turnover temperature (T₀): +25°C ±5°C	☒	
Frequency / temp coefficient: -0.038ppm/°C ² typ	☒	
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

eg: **CC5V-T1/I 32.768kHz ±30ppm** -40+85°C

CC5V-T1/M 32.768kHz ±100ppm -55+125°C

Option code X (eg CC5V-T1/X) denotes a custom specification.

- ◆ Available on T&R (3k or 8k pcs/reel) or trays (100pcs/tray).
- ◆ Refer to our website for T&R and soldering details.
- ◆ Ask about higher shock & vibration specifications.