



Scale 3:1

Features

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

Specifications

Parameters	Product	Option Code
	CC7V	
Terminations: Gold plated pads	■	T1A
Frequency range: 32.768kHz	■	
Calibration tolerance: ±30ppm ±100ppm	■ □	specify
Operating temperature range: -40 to +85°C -55 to +125°C	■ □	M
Storage temperature range: -55 to +125°C	■	
Circuit condition: 9pF 12.5pF	■ □	specify
Static capacitance (C₀): 1.0pF typ	■	
Motional capacitance (C₁): 4.0fF typ	■	
Equivalent series resistance: 50kΩ typ, 70kΩ max	■	
Ageing: ±3ppm max first year	■	
Drive level: 1.0μW max	■	
Turnover temperature (T₀): +25°C ±5°C	■	
Frequency / temp coefficient: -0.035ppm/°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: **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.