



Scale 3:1

Features

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

Specifications

Parameters	Product	Option	
	CC7V	Code	
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:	7pF 9pF 12.5pF Other values	□ □ ■ □	specify specify specify
Static capacitance (C ₀):	1.2pF typ	■	
Motional capacitance (C ₁):	4.0fF typ	■	
Equivalent series resistance:	50kΩ typ, 70kΩ max	■	
Ageing:	±3ppm max first year	■	
Drive level:	1.0μW max	■	
Turnover temperature (T ₀):	+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 + calibration tolerance

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 1k, 3k, 7k or 14k pcs/reel.
- ◆ Refer to our website for T&R and soldering details.
- ◆ Ask about higher shock & vibration specifications.