



Features

- ▶ Ultra low profile - 0.5mm high
- ▶ Miniature ceramic package with metal lid
- ▶ High shock & vibration resistance
- ▶ Low power consumption

Specifications

Parameters	Product	Option Code	
	CM9V		
Terminations:	Gold plated pads	■	T1A
Frequency range:	32.768kHz	■	
Calibration tolerance:	±20ppm ±100ppm	■ □	specify
Operating temperature range:	-40 to +85°C	■	
Storage temperature range:	-55 to +125°C	■	
Circuit condition:	7pF 9pF 12.5pF Other values	□ □ ■ □	specify specify specify
Static capacitance (C ₀):	1.0pF typ	■	
Motional capacitance (C ₁):	3.6fF typ	■	
Equivalent series resistance:	90kΩ max @ 25°C	■	
Ageing:	±3ppm max first year	■	
Drive level:	0.5μW max	■	
Turnover temperature (T ₀):	+25°C ±5°C	■	
Frequency / temp coefficient:	-0.035ppm/°C ² ±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 + frequency + calibration tolerance + circuit condition

eg: **CM9V-T1A 32.768kHz ±20ppm 12.5pF**

CM9V-T1A 32.768kHz ±100ppm 9pF

Option code X (eg CM9V-T1A/X) denotes a custom spec.

- ◆ Available on T&R 1k, 3k or 14k pcs/reel.
- ◆ Ask about higher shock & vibration specifications.