



Scale 5:1

Features

- ▶ Ultra low profile - 0.6mm high
- ▶ Miniature ceramic package
- ▶ High shock & vibration resistance
- ▶ Industrial and Extended temperature ranges
- ▶ Low power consumption

Specifications

Parameters	Product	Option
	CM8V	Code
Terminations:	Gold plated pads	T1A
Frequency range:	32.768kHz	
Calibration tolerance:	±20ppm ±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):	1.0pF typ	
Motional capacitance (C_p):	3.5fF typ	
Equivalent series resistance:	90kΩ max	
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 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: **CM8V-T1A 32.768kHz ±20ppm** -40+85°C

CM8V-T1A/M 32.768kHz ±100ppm -55+125°C

Option code X (eg CM8V-T1A/X) denotes a custom spec.

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