



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 |
| 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.