



Features

- ▶▶▶▶ Miniature ceramic package with metal lid
- ▶▶▶▶ High shock & vibration resistance
- ▶▶▶▶ Extended temperature range options
- ▶▶▶▶ AEC-Q200 Automotive option
- ▶▶▶▶ Low power consumption

Specifications

Parameters	Product		Option Code
	CM7V		
Terminations:	Gold plated pads	<input checked="" type="checkbox"/>	T1A
Frequency range:	32.768kHz	<input checked="" type="checkbox"/>	
Calibration tolerance:	±20ppm ±100ppm	<input checked="" type="checkbox"/> <input type="checkbox"/>	specify
Operating temperature range:	-40 to +85°C -40 to +125°C -55 to +125°C	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	E M
Storage temperature range:	-55 to +125°C	<input checked="" type="checkbox"/>	
Circuit condition:	4pF 6pF 7pF 9pF 12.5pF	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	specify specify specify specify
Static capacitance (C ₀):	1.2pF typ	<input checked="" type="checkbox"/>	
Motional capacitance (C ₁):	3.7fF typ	<input checked="" type="checkbox"/>	
Equivalent series resistance:	50kΩ typ, 70kΩ max @ 25°C	<input checked="" type="checkbox"/>	
Ageing:	±3ppm max first year	<input checked="" type="checkbox"/>	
Drive level:	1.0μW max	<input checked="" type="checkbox"/>	
Turnover temperature (T ₀):	+25°C ±5°C	<input checked="" type="checkbox"/>	
Frequency / temp coefficient:	-0.035ppm/°C ² ±10%	<input checked="" type="checkbox"/>	
Shock resistance:	±5ppm, 5,000g, 0.3ms, ½ sine	<input checked="" type="checkbox"/>	
Vibration resistance:	±5ppm, 20g, 10.0 ~ 2,000Hz	<input checked="" type="checkbox"/>	
Soldering condition:	Reflow, 260°C, 20 sec max	<input checked="" type="checkbox"/>	
Qualification:	Commercial AEC-Q200 (Automotive)	<input checked="" type="checkbox"/> <input type="checkbox"/>	A

■ Standard. □ Optional - Please specify required code(s) when ordering

Ordering Information

Product name + termination + option codes + frequency + calibration tolerance + circuit condition
 eg: **CM7V-T1A 32.768kHz ±20ppm 12.5pF** -40+85°C
CM7V-T1A/EA 32.768kHz ±100ppm 7pF -40+125°C, AEC-Q200
 Option code X (eg CM7V-T1A/X) denotes a custom spec.

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