



Features

- ▣ Fundamental mode
- ▣ High shock & vibration resistance
- ▣ Military temperature range -55+125°C option
- ▣ Low power consumption
- ▣ Miniature ceramic package

Specifications

Parameters	Product	Option Code
	CC1A	
Terminations: Gold flashed pads Sn/Ag/Cu plated pads	■ □	T1A T3A
Frequency range: 8.0 ~ 30.0MHz	■	
Calibration tolerance: ±50ppm Other	■ □	specify
Temperature stability / range: ±50ppm over -40 to +85°C ±100ppm over -55 to +125°C Other	■ □ □	M specify
Storage temperature range: -55 to +125°C	■	
Circuit condition: 20pF 10 ~ 50pF	■ □	specify
Static capacitance (C₀): 2.0pF typ @ 8.0MHz 2.8pF typ @ 16.384MHz 4.0pF typ @ 24.0MHz	■ ■ ■	
Motional capacitance (C₁): 4.0fF typ @ 8.0MHz 8.0fF typ @ 16.384MHz 11.0fF typ @ 24.0MHz	■ ■ ■	
Equivalent series resistance: 60Ω typ, 100Ω max @ 8.0MHz 35Ω typ, 60Ω max @ 16.384MHz 30Ω typ, 40Ω max @ 24.0MHz	■ ■ ■	
Ageing: ±3ppm max first year	■	
Drive level: 100μW typ, 500μW max	■	
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

Package type + termination + option code (if any) + frequency

eg: **CC1A-T1A 20.0MHz** ±50ppm -40+85°C (standard)

CC1A-T1A/M 24.0MHz ±100ppm -55+125°C

Option code X (eg CC1A-T1A/X) denotes a custom spec.

- ◆ Available on T&R (1k or 4k pcs/reel) or trays (100pcs/tray).
- ◆ Refer to our website for T&R and soldering details.
- ◆ Ask about higher shock & vibration specifications.