



- ### 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	<input checked="" type="checkbox"/> <input type="checkbox"/>	T1A T3A
Frequency range: 8.0 ~ 30.0MHz	<input checked="" type="checkbox"/>	
Calibration tolerance: ±50ppm Other	<input checked="" type="checkbox"/> <input type="checkbox"/>	specify
Temperature stability / range: ±50ppm over -40 to +85°C ±100ppm over -55 to +125°C Other	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	M specify
Storage temperature range: -55 to +125°C	<input checked="" type="checkbox"/>	
Circuit condition: 20pF 10 ~ 50pF	<input checked="" type="checkbox"/> <input type="checkbox"/>	specify
Static capacitance (C₀): 2.0pF typ @ 8.0MHz 2.8pF typ @ 16.384MHz 4.0pF typ @ 24.0MHz	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
Motional capacitance (C₁): 4.0fF typ @ 8.0MHz 8.0fF typ @ 16.384MHz 11.0fF typ @ 24.0MHz	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
Equivalent series resistance: 60Ω typ, 100Ω max @ 8.0MHz 35Ω typ, 60Ω max @ 16.384MHz 30Ω typ, 40Ω max @ 24.0MHz	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
Ageing: ±3ppm max first year	<input checked="" type="checkbox"/>	
Drive level: 100μW typ, 500μW max	<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"/>	

■ 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.