



Features

- ▣ High shock & vibration resistance
- ▣ Military temperature range option
- ▣ Low power consumption
- ▣ Miniature ceramic package

Standard Frequencies

Frequencies in kHz (unless stated)			
10.0000	32.7680	100.0000	768.0000
12.8000	38.4000	153.6000	1.00000MHz
16.0000	40.0000	180.0000	1.00800MHz
16.3840	40.9600	240.0000	1.04857MHz
20.4800	60.0000	307.2000	1.22880MHz
30.7200	76.8000	455.0000	1.84320MHz
32.0000	77.5000	500.0000	2.00000MHz

Specifications

Parameters	Product	Option Code
	CC1V	
Terminations: Gold plated pads Ni+Sn plated pads	<input checked="" type="checkbox"/> <input type="checkbox"/>	T1A T2A
Frequency range: 10.0kHz ~ 2.10MHz	<input checked="" type="checkbox"/>	
Calibration tolerance: see table Other	<input checked="" type="checkbox"/> <input type="checkbox"/>	specify
Operating temperature range: -40 to +85°C -55 to +125°C	<input checked="" type="checkbox"/> <input type="checkbox"/>	M
Storage temperature range: -55 to +125°C	<input checked="" type="checkbox"/>	
Circuit condition: 9pF (10.0 ~ 200kHz) 12.5pF (32.768kHz) 4pF (201 ~ 560kHz) 10pF (560kHz ~ 2.1MHz)	<input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
Static capacitance (C₀): 1.6pF typ	<input checked="" type="checkbox"/>	
Motional capacitance (C₁): 2.1fF typ	<input checked="" type="checkbox"/>	
Equivalent series resistance: 35Ω typ, 75Ω max	<input checked="" type="checkbox"/>	
Ageing: ±3ppm max first year	<input checked="" type="checkbox"/>	
Drive level: 1.0μW 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

Standard Calibration Tolerances

10.0 ~ 200kHz	201 ~ 560kHz	561kHz ~ 2.1MHz
±30ppm	±100ppm	±100ppm
±100ppm	±250ppm	±500ppm

Ordering Information

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

eg: **CC1V-T1A 240kHz ±100ppm** -40+85°C

CC1V-T1A/M 307.20kHz ±250ppm -55+125°C

Option code X (eg CC1V-T1A/X) denotes a custom spec.

- ◆ Available on T&R (1k or 2k pcs/reel) or trays (100pcs/tray).
- ◆ Refer to our website for T&R and soldering details.
- ◆ Ask about higher shock & vibration specifications.