



Scale 2:1

Features

- ▄▄▄▄ **Fundamental mode up to 250MHz**
- ▄▄▄▄ **Inverted mesa technology**
- ▄▄▄▄ **High shock & vibration resistance**
- ▄▄▄▄ **Military temperature range option**
- ▄▄▄▄ **Low power consumption**

Standard Frequencies

Fundamental in MHz	
50.000000	166.628600
77.760000	200.000000
100.000000	207.360000
106.250000	212.500000
125.000000	250.000000
155.520000	

Specifications

Parameters	Product	Option Code
	CC1F	
Terminations: Gold plated pads Ni+Sn plated pads	<input checked="" type="checkbox"/> <input type="checkbox"/>	T1A T2A
Frequency range: 30.0 ~ 250MHz	<input checked="" type="checkbox"/>	
Calibration tolerance: ±50ppm Other	<input checked="" type="checkbox"/> <input type="checkbox"/>	specify
Temperature stability / range: ±30ppm 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: 10pF Other	<input checked="" type="checkbox"/> <input type="checkbox"/>	specify
Static capacitance (C₀): 2.0pF typ @ 50.0MHz 2.9pF typ @ 155.52MHz	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
Motional capacitance (C₁): 5.6fF typ @ 50.0MHz 5.6fF typ @ 155.52MHz	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
Equivalent series resistance: 15Ω typ, 50Ω max @ 50.0MHz 15Ω typ, 35Ω max @ 155.52MHz	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	
Ageing: ±3ppm max first year	<input checked="" type="checkbox"/>	
Drive level: 100μW 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: **CC1F-T1A 77.760MHz** 50/100/40/20 (standard)

CC1F-T1A/M 155.520MHz ±50ppm 30pF

Option code X (eg CC1F-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.