



Features

- ▶ Fundamental mode up to 250MHz
- ▶ Inverted mesa technology
- ▶ High shock & vibration resistance
- ▶ Military temperature range -55+125°C option
- ▶ Low power consumption

Specifications

Parameters	Product	Option Code
	CC1F	
Terminations:	Gold plated pads	T1A
Frequency range:	30.0 ~ 250MHz	
Calibration tolerance:	±50ppm Other	specify
Temperature stability / range:	±30ppm over -40 to +85°C ±100ppm over -55 to +125°C Other	M specify
Storage temperature range:	-55 to +125°C	
Circuit condition:	10pF Other	specify
Static capacitance (C ₀):	2.0pF typ @ 50.0MHz 2.9pF typ @ 155.52MHz	
Motional capacitance (C ₁):	5.6fF typ @ 50.0MHz 5.6fF typ @ 155.52MHz	
Equivalent series resistance:	15Ω typ, 50Ω max @ 50.0MHz 15Ω typ, 35Ω max @ 155.52MHz	
Ageing:	±3ppm max first year	
Drive level:	100μW 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: **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.