



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	
	CC6F		
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):	2.4pF typ @ 50.0MHz 2.9pF typ @ 155.52MHz	■ ■	
Motional capacitance (C ₁):	2.7fF typ @ 50.0MHz 5.6fF typ @ 155.52MHz	■ ■	
Equivalent series resistance:	50Ω typ, 100Ω 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: **CC6F-T1A 155.52MHz** 50/30/40/10 (standard)

CC6F-T1A/M 77.76MHz ±50ppm 30pF

Option code X (eg CC6F-T1A/X) denotes a custom spec.

- ◆ Available on T&R 1k, 3k or 7k pcs/reel.
- ◆ Refer to our website for T&R and soldering details.