



Features

- ▣ Suitable for Avionics, Sat Comms etc
- ▣ Military temperature range -55+125°C option
- ▣ High stability & low ageing
- ▣ High shock & vibration resistance
- ▣ Fundamental mode up to 70MHz
- ▣ Hermetically sealed

Specifications

Parameters	Product	Option Codes
	CC2A	
Terminations: Gold flashed pads Sn/Ag/Cu plated pads	■ □	T1A T3A
Frequency range: 10.0 ~ 70.0MHz	■	
Calibration tolerance (@ 25°C): ±50ppm	■	
Temperature stability: ±50ppm over -40 to +85°C ±100ppm over -55 to +125°C	□ ■	TB TC
Storage temperature range: -55 to +125°C	■	
Circuit condition: 20pF Other values	■ □	specify
Oscillation mode: Fundamental	■	
Equivalent series resistance (typ/max): 60/100Ω (10.0 ~ 13.99MHz) 40/80Ω (14.0 ~ 17.99MHz) 20/60Ω (18.0 ~ 23.99MHz) 15/50Ω (24.0 ~ 39.9MHz) 10/40Ω (40.0 ~ 70.0MHz)	■ ■ ■ ■ ■	
Motional capacitance (typ/max): 3/5fF (10.0 ~ 13.99MHz) 5/8fF (14.0 ~ 17.99MHz) 8/10fF (18.0 ~ 23.99MHz) 10/12fF (24.0 ~ 39.9MHz) 12/14fF (40.0 ~ 70.0MHz)	■ ■ ■ ■ ■	
Static capacitance (typ): 2.0pF (10.0 ~ 13.99MHz) 2.5pF (14.0 ~ 17.99MHz) 3.0pF (18.0 ~ 23.99MHz) 4.0pF (24.0 ~ 39.9MHz) 5.0pF (40.0 ~ 70.0MHz)	■ ■ ■ ■ ■	
Ageing: ±3ppm max first year	■	
Test drive level: 100μW typ, 250μW max	■	
Shock resistance: 5,000G, 0.3ms, ½ sine	■	
Vibration resistance: 20G rms 10.0 ~ 2,000Hz	■	
Soldering condition: 260°C, 20s max	■	

■ Standard. □ Optional - Please specify required code(s) when ordering

Ordering Information

Product name + option codes + frequency
 eg: **CC2A-T1A/TB 16.0MHz** ±50ppm over -40 to +85°C
CC2A-T1A/TC 24.0MHz ±100ppm over -55 to +125°C
 Option code X (eg CC2A-T1A/X) denotes a custom spec.

◆ Available on T&R - 1k or 2k pcs per reel.