



PAD	CONNECTION
1	Crystal
2	Not connected
3	Crystal
4	Not connected

## 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
	CC6A	
<b>Terminations:</b> Gold flashed pads Sn/Ag/Cu plated pads	■ □	T1A T3A
<b>Frequency range:</b> 16.0 ~ 70.0MHz	■	
<b>Calibration tolerance (@ 25°C):</b> ±50ppm	■	
<b>Temperature stability:</b> ±50ppm over -40 to +85°C ±100ppm over -55 to +125°C	□ ■	TB TC
<b>Storage temperature range:</b> -55 to +125°C	■	
<b>Circuit condition:</b> 20pF Other values	■ □	specify
<b>Oscillation mode:</b> Fundamental	■	
<b>Equivalent series resistance (typ/max):</b> 60/120Ω (16.0 ~ 19.99MHz) 40/85Ω (20.0 ~ 23.99MHz) 30/50Ω (24.0 ~ 39.99MHz) 20/40Ω (40.0 ~ 70.0MHz)	■ ■ ■ ■	
<b>Motional capacitance (typ/max):</b> 2/4fF (16.0 ~ 19.99MHz) 3/5fF (20.0 ~ 23.99MHz) 4/6fF (24.0 ~ 39.99MHz) 5/8fF (40.0 ~ 70.0MHz)	■ ■ ■ ■	
<b>Static capacitance (typ):</b> 1.5pF (16.0 ~ 19.99MHz) 2.0pF (20.0 ~ 23.99MHz) 2.5pF (24.0 ~ 39.99MHz) 3.0pF (40.0 ~ 70.0MHz)	■ ■ ■ ■	
<b>Ageing:</b> ±3ppm max first year	■	
<b>Test drive level:</b> 100μW typ, 250μW max	■	
<b>Shock resistance:</b> 5,000G, 0.3ms, ½ sine	■	
<b>Vibration resistance:</b> 20G rms 10.0 ~ 2,000Hz	■	
<b>Soldering condition:</b> 260°C, 20s max	■	

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

## Ordering Information

Product name + option codes + frequency  
 eg: **CC6A-T1A/TB 16.0MHz** ±50ppm over -40 to +85°C  
**CC6A-T1A/TC 24.0MHz** ±100ppm over -55 to +125°C  
 Option code X (eg CC6A-T1A/X) denotes a custom spec.

◆ Available on T&R - 1k or 3k pcs per reel.