



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

Features

- ▣ Suitable for Avionics, Downhole, Geothermal etc
- ▣ Extreme temperature ranges up to 200°C
- ▣ High stability & low ageing under extremes
- ▣ High shock & vibration resistance
- ▣ Ultra low MSL
- ▣ Hermetically sealed

Specifications

Parameters	Product	Option Codes
	CC6A-T1AH	
Frequency range:	16.0 ~ 40.0MHz	■
Calibration tolerance (@ 25°C):	±50ppm	■
Temperature stability:	±150ppm over -55 to +175°C ±250ppm over -55 to +200°C	■ □ TD TG
Storage temperature range:	-55 to +125°C	■
Circuit condition:	20pF Other values	■ □ specify
Oscillation mode:	Fundamental	■
Equivalent series resistance (typ/max):	80/200Ω (16.0 ~ 19.99MHz) 60/120Ω (20.0 ~ 23.99MHz) 50/100Ω (24.0 ~ 40.0MHz)	■ ■ ■
Motional capacitance (typ/max):	2/4fF (16.0 ~ 19.99MHz) 3/5fF (20.0 ~ 23.99MHz) 4/6fF (24.0 ~ 40.0MHz)	■ ■ ■
Static capacitance (typ):	1.5pF (16.0 ~ 19.99MHz) 2.0pF (20.0 ~ 23.99MHz) 3.0pF (24.0 ~ 40.0MHz)	■ ■ ■
Ageing:	±3ppm max first year	■
Test drive level:	100μW typ, 200μW max	■
Shock resistance:	10,000G, 0.3ms, ½ sine	■
Vibration resistance:	40G rms 10.0 ~ 2,000Hz	■
Soldering condition:	260°C, 20s max Gold plated pads Sn/Ag/Cu plated pads on request (TD only)	■ ■ □

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

Ordering Information

Product name + option codes + frequency

eg: **CC6A-T1AH/TD 16.0MHz** ±150ppm over -55 to +175°C

CC6A-T1AH/TG 24.0MHz ±250ppm over -55 to +200°C

Option code X (eg CC6A-T1AH/X) denotes a custom spec.

- ◆ Available on T&R - 1k or 3k pcs per reel.
- ◆ Note: Due to space constraints our sales documentation references CC6AT1AH (ie no hyphen)