



PRODUCTS

Clock Oscillator (SMD)

Typical Applications:

- PCMCIA Card
- Bluetooth
- Wireless LAN
- GPS

C2A (SMD Oscillator Series)

Part Number: C2A (Waveform) (ppm) - Freq - OL-Vcc

Example: C2AH20-25.000-15-3.3V

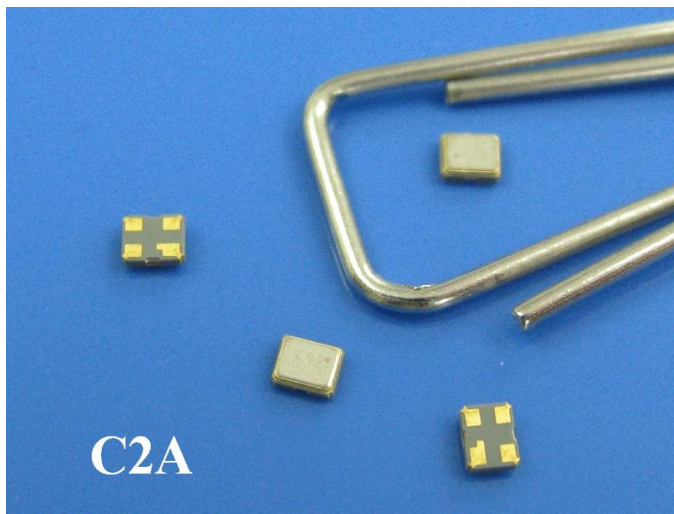
OSCILLATOR

Specification

C2A

Part No.	Example
C2A (waveform) (ppm)-Freq-CL-Vcc	C2AH20-25.000-15-3.3V

Specification	C2A				
Output Specification	CMOS				
Frequency Range	1.5 to 80.0MHz				
Temperature Stability	±20 to ±100ppm				
Operating Temperature Range	-20°C to +70°C / -40°C to +85°C				
Storage Temperature Range	-55°C to +125°C				
Aging	±5ppm/year Max.				
Supply Voltage (Vcc)	+1.8 ±10%V	+2.5 ±10%V	+3.0 ±10%V	+3.3 ±10%V	
Supply Current	1.5 - 9.9MHz	2.5mA	3.0mA	3.5mA	3.5mA
	10.0 - 19.9MHz	3.5mA	4.0mA	4.5mA	4.5mA
	20.0 - 29.9MHz	4.0mA	4.5mA	5.0mA	5.0mA
	30.0 - 39.9MHz	4.5mA	5.0mA	5.5mA	5.5mA
	40.0 - 49.9MHz	5.0mA	5.5mA	6.0mA	6.0mA
	50.0 - 59.9MHz	5.5mA	6.0mA	6.5mA	7.0mA
	60.0 - 69.9MHz	6.0mA	6.5mA	7.5mA	8.0mA
	70.0 - 80.0MHz	6.5mA	7.0mA	8.5mA	9.0mA
Symmetry	45/55 %				
Output Load	15pF				
Rise and Fall Time	5/5ns Max.				
Output Voltage	VOL	10% Vcc Max.			
	VOH	90% Vcc Min.			
Tristate Option	Enable	Pin 1 = Hi or Open , Pin 3 active			
	Disable	Pin 1 = Lo , Pin 3 High Z			



Dimension

(Unit: mm)

