



**PRODUCTS**

**Clock Oscillator (SMD)**

**Typical Applications:**

- PCMCIA Card
- Wireless LAN
- Bluetooth
- GPS

# C2A (SMD Oscillator Series)

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

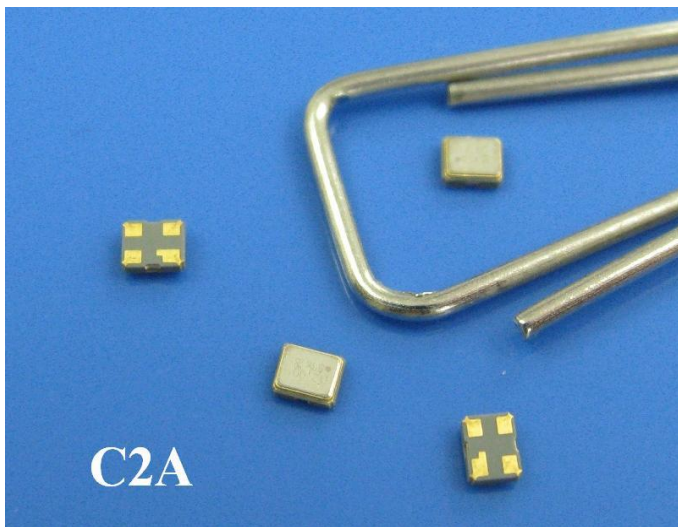
Example: C2AH20-25.000-15-3.3V

**Specification**

**C2A**

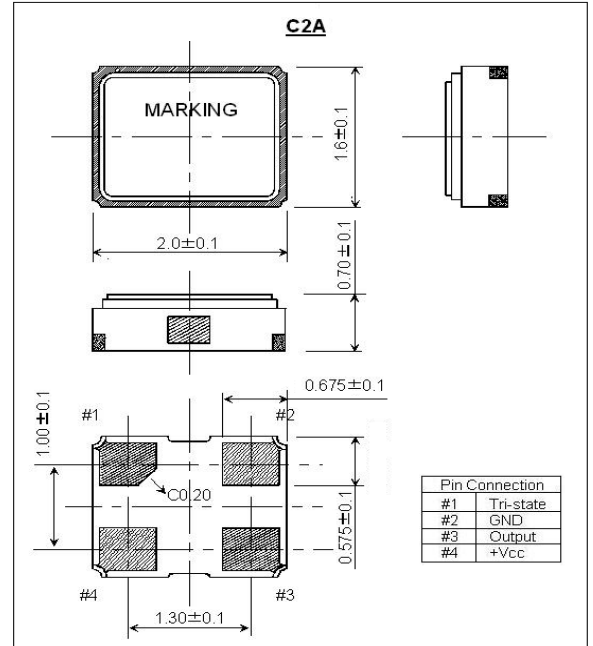
Part No.	Example
C2A (waveform) (ppm)-Freq-OL-Vcc	C2AH20-25.000-15-3.3V

Specification		C2A			
Output Waveform		HCMOS			
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)



**OSCILLATOR**