



## PRODUCTS

## Clock Oscillator (SMD)

### Typical Applications:

- PCMCIA Card
- Wireless LAN
- Bluetooth
- Portable Multimedia Player

# C20 (SMD Oscillator Series)

Part Number: C20 (Waveform) (ppm) - Freq - OL - Vcc

Example: C20H20-25.000-15-3.0V

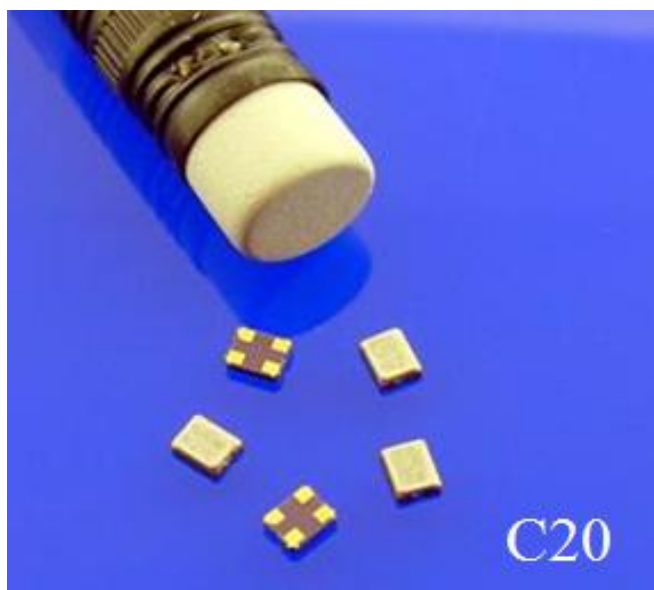
### ■ Specification

C20

Part No.	Example
C20 (waveform) (ppm)-Freq-OL-Vcc	C20H20-25.000-15-3.0V

Specification		C20			
Output Waveform		HCMOS			
Frequency Range		1.5 to 80.0MHz			
Temperature Stability		±20 to ±100ppm			
Operating Temperature Range		-10 °C to +70 °C / -40 °C to +85 °C			
Storage Temperature Range		-55 °C to +125 °C			
Aging		±5ppm/year Max.			
Supply Voltage (Vcc)		+ 1.8V DC +/- 5%	+ 2.5V DC +/- 5%	+ 3.0V DC +/- 5%	+ 3.3V DC +/- 5%
Supply Current	1.5 - 9.9MHz	2.5mA Max	3.0mA Max	3.5mA Max	3.5mA Max
	10.0 - 19.9MHz	3.5mA Max	4.0mA Max	4.5mA Max	4.5mA Max
	20.0 - 29.9MHz	4.0mA Max	4.5mA Max	5.0mA Max	5.0mA Max
	30.0 - 39.9MHz	4.5mA Max	5.0mA Max	5.5mA Max	5.5mA Max
	40.0 - 49.9MHz	5.0mA Max	5.5mA Max	6.0mA Max	6.0mA Max
	50.0 - 59.9MHz	5.5mA Max	6.0mA Max	6.5mA Max	7.0mA Max
	60.0 - 69.9MHz	6.0mA Max	6.5mA Max	7.5mA Max	8.0mA Max
	70.0 to 80.0MHz	6.5mA Max	7.0mA Max	8.5mA Max	9.0mA Max
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			

OSCILLATOR



### ■ Dimension (Unit: mm)

