



PRODUCTS

Clock Oscillator (SMD)

Typical Applications:

- PCMCIA Card
- Wireless LAN
- Bluetooth
- Hard Disk Devices

C30 (SMD Oscillator Series)

Part Number: C30 (Waveform) (ppm) - Freq - OL - Vcc

Example: C30H25-24.576-15-1.8V

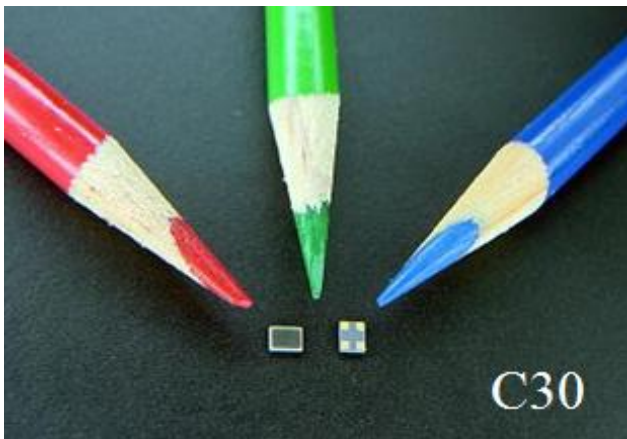
OSCILLATOR

Specification

C30

Part No.	Example
C30 (waveform) (ppm)-Freq-OL-Vcc	C30H50-20.000-15-1.8V

Specification	C30			
Output Waveform	HCMOS			
Frequency Range	2.0 to 50.0MHz			
Temperature Stability	±20 to ±100ppm			
Operating Temperature Range	0 °C to +70 °C / -40 °C to +85 °C			
Storage Temperature Range	-55 °C to +125 °C			
Aging	±3ppm/year Max.			
Supply Voltage (Vcc)	+ 1.8V DC +/- 5%	+ 2.5V DC +/- 5%	+ 3.3V DC +/- 5%	
Supply Current	2.0 - 9.9MHz	5mA Max	6mA Max	7mA Max
	10.0 - 19.9MHz	6mA Max	8mA Max	7mA Max
	20.0 - 31.9MHz	6mA Max	8mA Max	12mA Max
	32.0 - 50.0MHz	15mA Max	20mA Max	20mA Max
Symmetry	40/60 or 45/55 %			
Output Load	15pF			
Rise and Fall Time	2.0 - 9.9MHz	5/5nS Max	5/5nS Max	20/20nS Max
	10.0 - 19.9MHz	5/5nS Max	5/5nS Max	15/15nS Max
	20.0 - 31.9MHz	4/4nS Max	5/5nS Max	10/10nS Max
	32.0 - 50.0MHz	4/4nS Max	5/5nS Max	10/10nS 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)

