



PRODUCTS **Clock Oscillator (SMD)**

Typical Applications:

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

C30

(SMD Oscillator Series)

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

Example: C30H25-24.576-15-1.8V

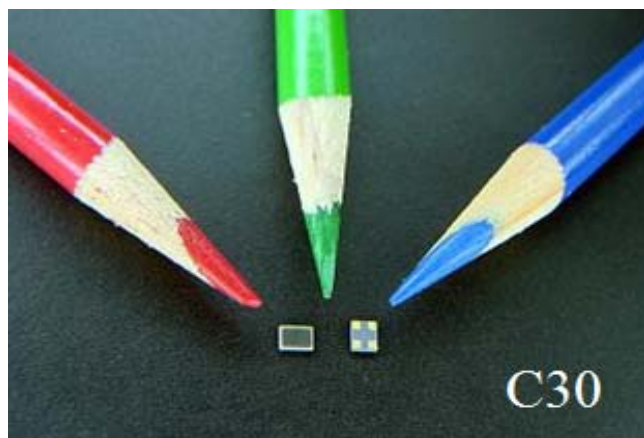
■ Specification

C30

Part No.	Example
C30 (waveform) (ppm)-Freq-CL-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
	10.0 - 19.9MHz	6mA Max	7mA Max
	20.0 - 31.9MHz	6mA Max	8mA Max
	32.0 - 50.0MHz	15mA 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
	10.0 - 19.9MHz	5/5nS Max	5/5nS Max
	20.0 - 31.9MHz	4/4nS Max	5/5nS Max
	32.0 - 50.0MHz	4/4nS Max	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)

