



PRODUCTS

Clock Oscillator (SMD)

Typical Applications:

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

C30 (SMD Oscillator Series)

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

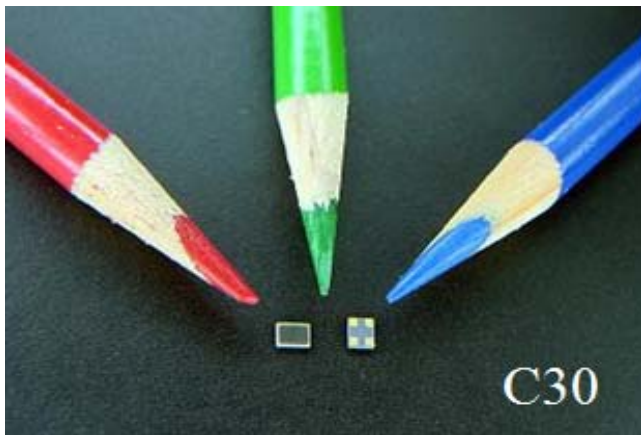
Example: C30H25-24.576-15-1.8V

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)

