



PRODUCTS

Clock Oscillator (SMD)

Typical Applications:

- Ethernet
- Fibre Channel
- Server & Storage Platform
- W-LAN

C50 (SMD Oscillator Series)

Part Number: C50 (Waveform) (ppm) - Freq - OL - Vcc

Example: C50H50-20.000-15-5.0V

OSCILLATOR

Specification

C50

Part No.	Example
C50 (waveform) (ppm)-Freq-OL-Vcc	C50H25-24.576-15-5.0V

Specification		C50			
Output Waveform		TTL / HCMOS			
Frequency Range		1.544 to 125.0MHz			
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		±5ppm/year Max.			
Supply Voltage (Vcc)		+ 1.8V DC +/- 10%	+ 2.5V DC +/- 10%	+ 3.3V DC +/- 10%	+ 5.0V DC +/- 10%
Supply Current	1.544 - 9.9MHz	6mA Max	7mA Max	8mA Max	15mA Max
	10.0 - 34.9MHz	7mA Max	8mA Max	10mA Max	20mA Max
	35.0 - 49.9MHz	15mA Max	20mA Max	25mA Max	35mA Max
	50.0 - 125.0MHz	25mA Max	30mA Max	35mA Max	40mA Max
Symmetry		40/60 or 45/55 %			
Output Load		15pF			
Rise and Fall Time	10% Vcc to 90% Vcc	5nS Max	6nS Max	7nS Max	5nS Max
	90% Vcc to 10% Vcc	5nS Max	6nS Max	7nS Max	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)

