



PRODUCTS

Clock Oscillator (SMD)

Typical Applications:

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

C50

(SMD Oscillator Series)

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

Example: C50H50-20.000-15-5.0V

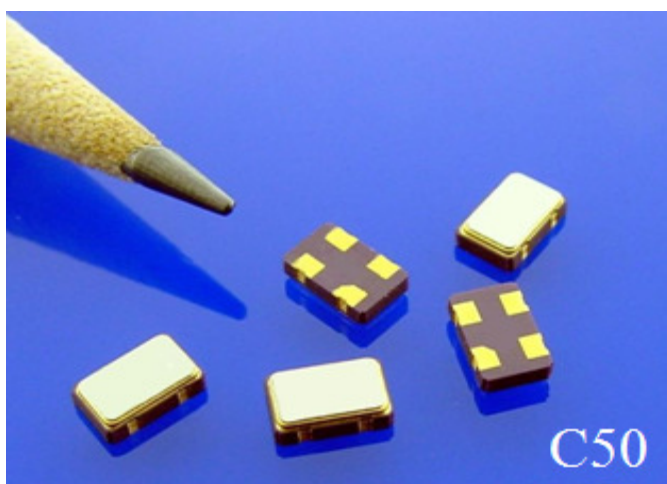
OSCILLATOR

Specification

C50

Part No.	Example
C50 (waveform) (ppm)-Freq-CL-Vcc	C50T25-24.576-15-5.0V

Specification	C50				
Output Specification	CMOS				
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	1 to 10TTL / 15 to 50pF				
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)

