



PRODUCTS

Clock Oscillator (SMD)

Typical Applications:

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

C70 (SMD Oscillator Series)

Part Number: C70 (Waveform) (ppm) - Freq - OL - Vcc

Example: C70H50-20.000-15-5.0V

■ Specification

C70

Part No.	Example
C70 (waveform) (ppm)-Freq-OL-Vcc	C70H50-20.000-15-5.0V

Specification		C70			
Output Waveform		TTL / HCMOS			
Frequency Range		1.0 to 125.0MHz			
Temperature Stability		±20 to ±50ppm			
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	1.0 - 23.9MHz	10mA Max	12mA Max	15mA Max	20mA Max
	24.0 - 49.9MHz	12mA Max	15mA Max	20mA Max	30mA Max
	50.0 - 69.0MHz	15mA Max	20mA Max	30mA Max	40mA Max
	70.0 - 125.0MHz	25mA Max	30mA Max	45mA Max	60mA Max
Symmetry		40/60% or 45/55%			
Output Load		1 to 10TTL / 15 to 50pF			
Rise and Fall Time	10% Vcc to 90% Vcc	6nS Max	7nS Max	8nS Max	5nS Max
	90% Vcc to 10% Vcc	6nS Max	7nS Max	8nS 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)

