CRESCENT
FREQUENCY PRODUCTS

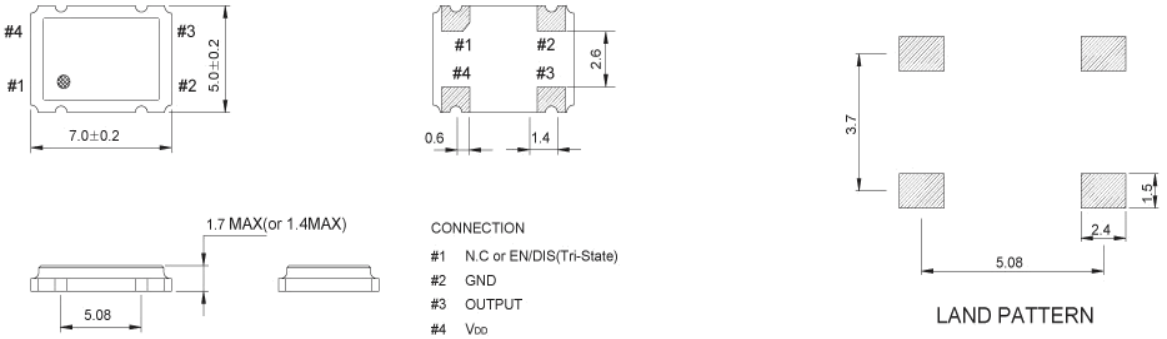
CF57 Series

Clock Oscillator

5x7x1.7mm
Ceramic SMD
RoHS Compliant
HCMOS / TTL Output
1.8, 2.5, 3.3, or 5.0VDC
1.000MHz to 200.000MHz

Mechanical Dimensions

Dimensions are in millimeters. Dot indicates pin one location.



Electrical Specifications

Frequency Range		1.000MHz to 200.000MHz
Operating Temperature		-20° to 70°C or –40° to 85°C
Storage Temperature Range		-55°C to 125°C
Supply Voltage	VDC ±10%	1.8, 2.5, 3.3, or 5.0
Input Current 1.000 to 34.999MHz 35.000 to 60.000MHz 60.001 to 99.999MHz 100.000 to 106.250MHz 106.251 to 200.000MHz	25mA(5V), 16mA(3.3V), 10mA(2.5V), 08mA(1.8V) 50mA(5V), 25mA(3.3V), 20mA(2.5V), 15mA(1.8V) 60mA(5V), 40mA(3.3V), 30mA(2.5V), 25mA(1.8V) 80mA(5V), 50mA(3.3V), 40mA(2.5V), 35mA(1.8V) 50mA(3.3V), 40mA(2.5V), 35mA(1.8V)	
Load Drive Capability		10 TTL Load 15pF HCMOS
Frequency Tolerance / Stability	Inclusive of Operating Temp Range, Supply Voltage and Load	20ppm, 25ppm, 50ppm, or 100ppm
Duty Cycle	50% of Waveform	50 ± 5%
Rise Fall Time	1.000MHz to 49.999MHz 50.000MHz to 99.999MHz 100.000MHz to 200.000MHz	10nSecond Max 5nSecond Max 2.5nSecond Max
RMS Phase Jitter	12KHz to 20MHz Offset Freq.	1pSecond Max
Startup Time		10mSeconds Max
Tri-State Input Voltage Standby Function (CF57**S**) Standby Current:	No Connection V_{IH}≥70% of V_{DD} V_{IH}≤30% of V_{DD} 10µA Max (Disabled Output, High Impedance	Enables Output Enables Output Disables Output: High Impedance
Output Voltage Logic High	With TTL Load With HCMOS Load	2.4V Min 90% of VDD Min
Output Voltage Logic Low	With TTL Load With HCMOS Load	0.4V Min 10% of VDD Max

Crescent Frequency Products, 19363 Willamette Dr. #120, West Linn, OR 97068
Phone: (949) 484-4332 | www.crescentfrequency.com

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Part Numbering Guide

CF57 A 3 G-25.000MHz-T

Series
CF57

Tolerance / Stability
A = 100ppm
B = 50ppm
C = 25ppm
D = 20ppm

Operating Temperature Range
2 = -20° to 70°C
3 = -40° to 85°C

Packaging Options
Blank = Bulk
T = Tape & Reel

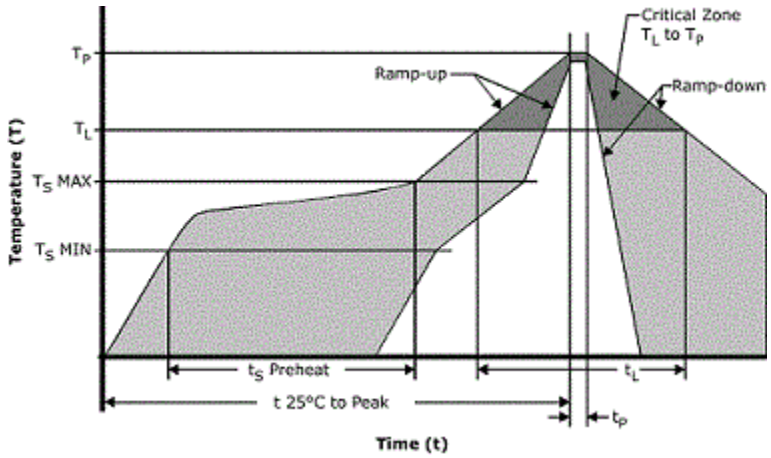
Center Frequency
1.000MHz to 200.000MHz

Supply Voltage
F = 1.8VDC
G = 2.5VDC
H = 3.3VDC
J = 5.0VDC

Part Marking Guide

Line #1	CFP CF57
Line #2	XX.XXX M XX.XXX = Frequency (5 Digits Max + Decimal) M = Frequency Unit Of Measure (MHz)
Line #3	XX YY ZZ XX = Crescent Manufacturing Identifier YY = Last Two Digits of Year ZZ = Week of Year

Solder Reflow



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