

CF57E Series

Clock Oscillator
Military Operating
Temperature Range

5x7x1.7mm Ceramic
SMD

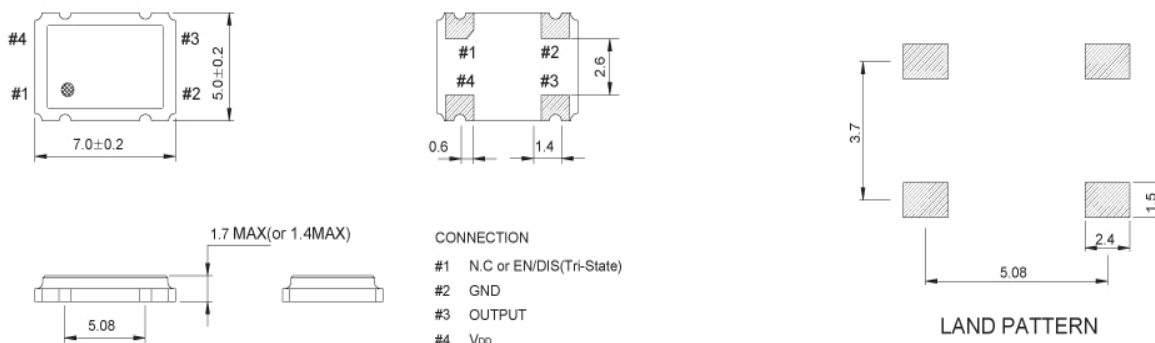
RoHS Compliant
HCMOS Output

1.8, 2.5, 3.3, or
5.0VDC

1.000MHz to
200.000MHz

Mechanical Dimensions

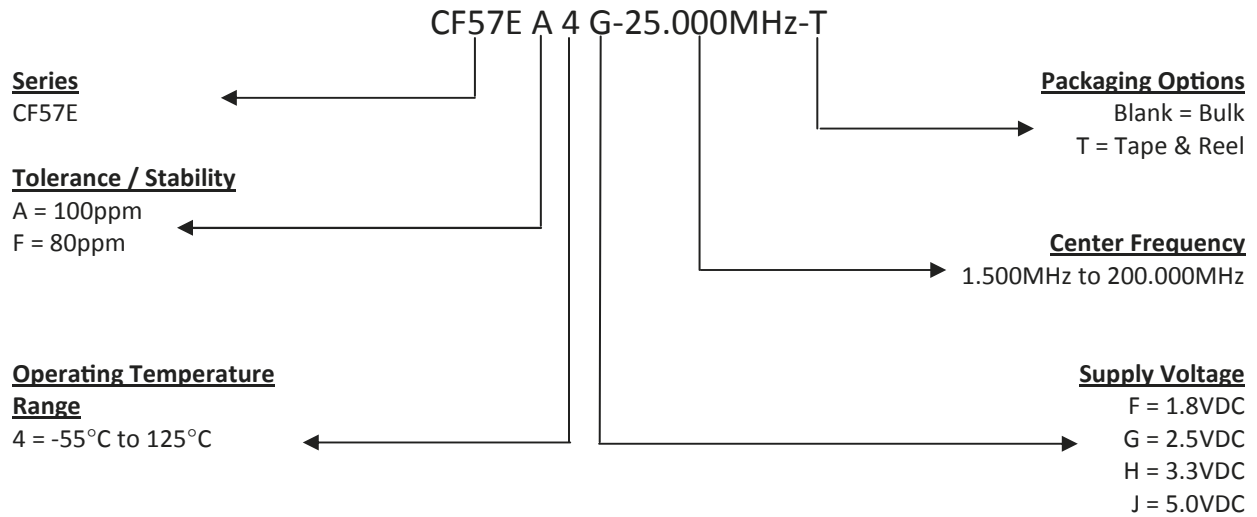
Dimensions are in millimeters. Dot indicates pin one location.



Electrical Specifications

Frequency Range		1.000MHz to 200.000MHz
Operating Temperature Range		-55°C to 125°C
Storage Temperature Range		-55°C to 125°C
Supply Voltage	VDC ±10%	1.8, 2.5, 3.3, or 5.0
Input Current		
1.500 to 34.999MHz	25mA(5V), 16mA(3.3V), 10mA(2.5V), 08mA(1.8V)	
35.000 to 60.000MHz	50mA(5V), 25mA(3.3V), 20mA(2.5V), 15mA(1.8V)	
60.001 to 99.999MHz	60mA(5V), 40mA(3.3V), 30mA(2.5V), 25mA(1.8V)	
100.000 to 106.250MHz	80mA(5V), 50mA(3.3V), 40mA(2.5V), 35mA(1.8V)	
106.251 to 200.000MHz	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	80ppm or 100ppm
Duty Cycle	50% of Waveform	50 ± 5%
Rise Fall Time		10nSecond Max
RMS Phase Jitter	12KHz to 20MHz Offset Freq.	1pSecond Max
Startup Time		10mSeconds Max
Tri-State Input Voltage	No Connection V _{IH} ≥ 70% of V _{DD} V _{IH} ≤ 30% of V _{DD}	Enables Output Enables Output Disables Output: High Impedance

Part Numbering Guide



Part Marking Guide

Line #1	CFP CF57E
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

