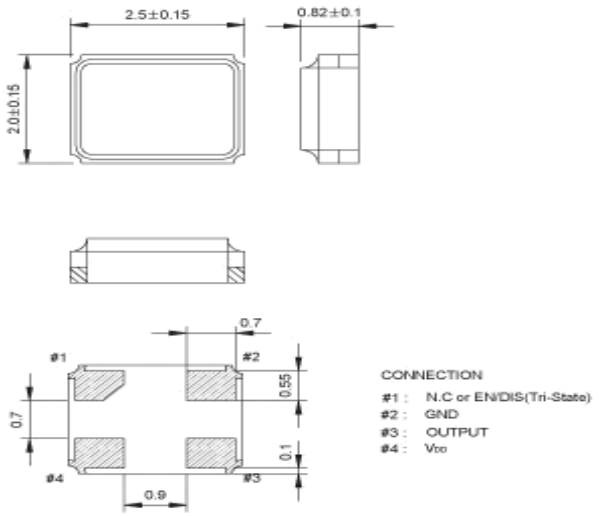
CRESCENT
FREQUENCY PRODUCTS

CF22 Series
Clock Oscillator

2.0x2.5x0.82mm
Ceramic SMD
RoHS Compliant
HCMOS Output
1.8, 2.5 Or 3.3V
1.000MHz to
50.000MHz

Mechanical Dimensions

Dimensions are in millimeters.



Electrical Specifications

Frequency Range		1.000MHz to 50.000MHz
Operating Temperature Range		-10° to 70°C or –40° to 85°C
Storage Temperature Range		-55°C to 125°C
Supply Voltage	VDC ±10%	1.8, 2.5, or 3.3VDC
Supply Current	VDC = 1.8 VDC = 2.5 VDC = 3.3	12mA Max 15mA Max 25mA Max
Load Drive Capability		15pF HCMOS
Frequency Tolerance / Stability		20ppm, 25ppm, 50ppm, or 100ppm
Duty Cycle	50% of Waveform	50±5%
Rise Fall Time		10nS Max
Phase Jitter	12KHz to 20MHz Offset Freq.	1pSecond Max
Startup Time		10mSeconds Max
Tri-State Input Voltage	No Connection $V_{IH} \geq 70\%$ of V_{DD} $V_{IH} \leq 30\%$ of V_{DD}	Enables Output Enables Output Disables Output: High Impedance

Crescent Frequency Products, 19363 Willamette Dr. #120, West Linn, OR 97068
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Part Numbering Guide

CF22 A 3 G-25.000MHz-T

Series
CF22

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

Operating Temperature Range
2 = -10° to 70°C
3 = -40° to 85°C

Packaging Options
Blank = Bulk
T = Tape & Reel

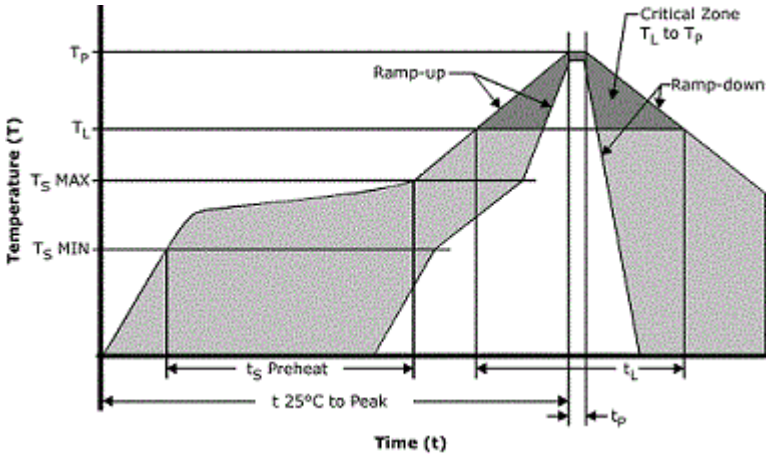
Center Frequency
1.000MHz to 50.000MHz

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

Part Marking Guide

Line #1	CXX.X C = Crescent Frequency Identifier XX.X = Frequency (3 Digits Max + Decimal) M = Frequency Unit Of Measure (MHz)
Line #2	YYZZ YY = Last Two Digits of Year ZZ = Week of Year

Solder Reflow



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