CRESCENT
FREQUENCY PRODUCTS

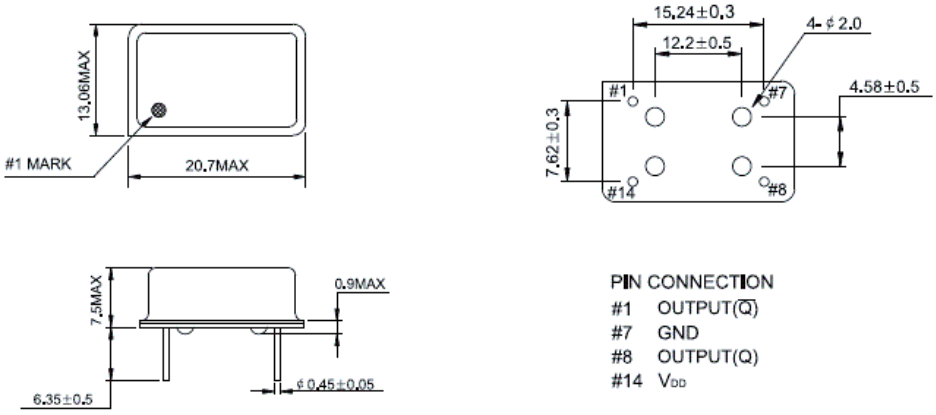
CF14P Series

Clock Oscillator

20.7X13.06X7.5mm
14Pin Dip
RoHS Compliant
LVPECL Output
2.5 or 3.3VDC
35.000MHz to
200.000MHz
Tristate enabled

Mechanical Dimensions

Dimensions are in millimeters. Dot indicates pin one location.



Electrical Specifications

Frequency Range		35.000MHz to 200.000MHz
Operating Temperature Range		0° to 70°C or –40° to 85°C
Storage Temperature Range		-55°C to 125°C
Supply Voltage	VDC ±5%	2.5 or 3.3V
Input Current	VDC = 2.5 & 3.3	65mA Typical, 80mA Max
Output Voltage	Logic High V_{DD} Logic Low V_{DD}	1.025V Max 1.620V Max
Output Enable High		$0.7V_{DD}$ Min
Output Enable Low		$0.3V_{DD}$ Min
Frequency Tolerance / Stability		20ppm, 25ppm, 50ppm, or 100ppm
Duty Cycle	50% of Waveform	50 ± 5%
Rise Fall Time		700pS Typical 1.5nS Max (20 ~ 80% of Waveform)
Phase Jitter	12KHz to 20MHz Offset Freq.	1pSecond Max
Startup Time		10mSeconds Max
Aging (At 25°C)		±3ppm per year
Pin 1 Tristate Input Voltage	No Connection VIH : ≥ 0.7VDD VIL : ≤ 0.3VDD	Enable Output Enable Output Disable Output: High Impedance

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

CF14P A 3 G-25.000MHz-T

Series
CF14P

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

Operating Temperature Range
2 = 0° to 70°C
3 = -40° to 85°C

Packaging Options
Blank = Bulk
T = Tape & Reel

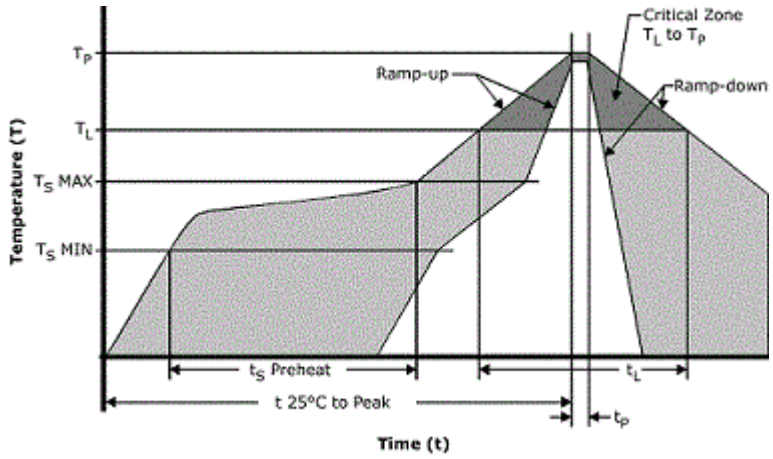
Center Frequency
35.000MHz to 200.000MHz

Supply Voltage
G = 2.5VDC
H = 3.3VDC

Part Marking Guide

Line #1	CFP CF14P
Line #2	XX.XXX M XX.XXX = Frequency (5 Digits Max + Decimal) M = Frequency Unit Of Measure (MHz)
Line #3	XXYYZZ XX = Crescent Manufacturing Identifier YY = Last Two Digits of Year ZZ = Week of Year

Solder Reflow



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