

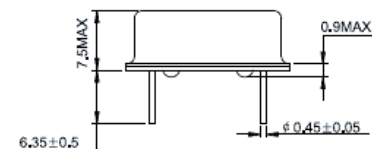
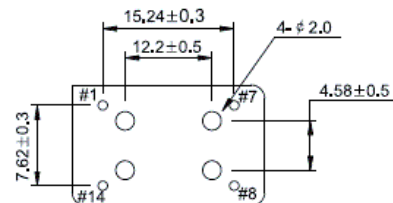
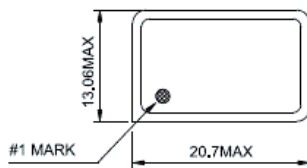
CF14P Series

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.

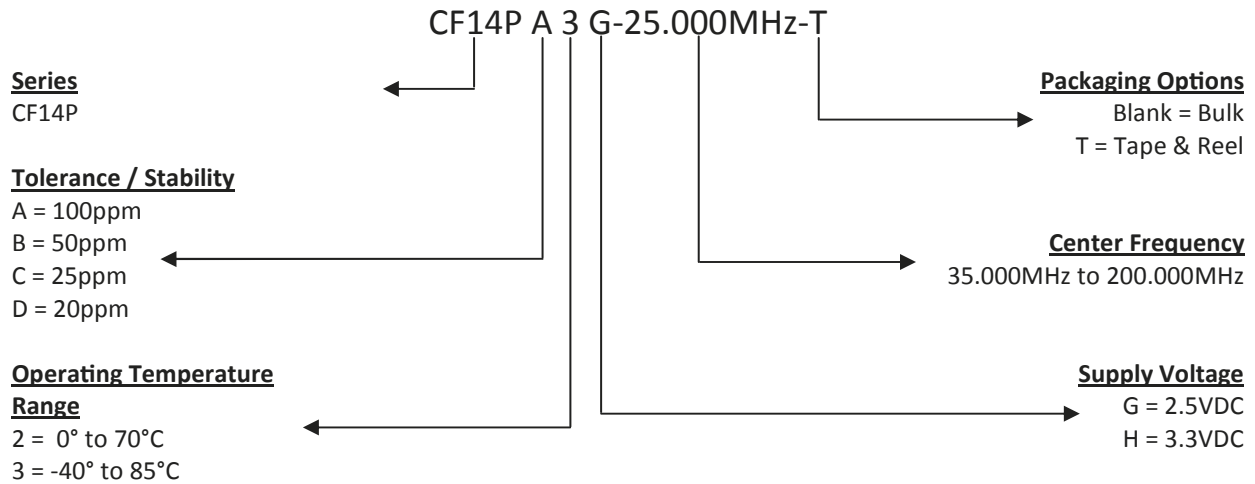


PIN CONNECTION
 #1 OUTPUT(Q)
 #7 GND
 #8 OUTPUT(Q)
 #14 V_{DD}

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

Part Numbering Guide



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

