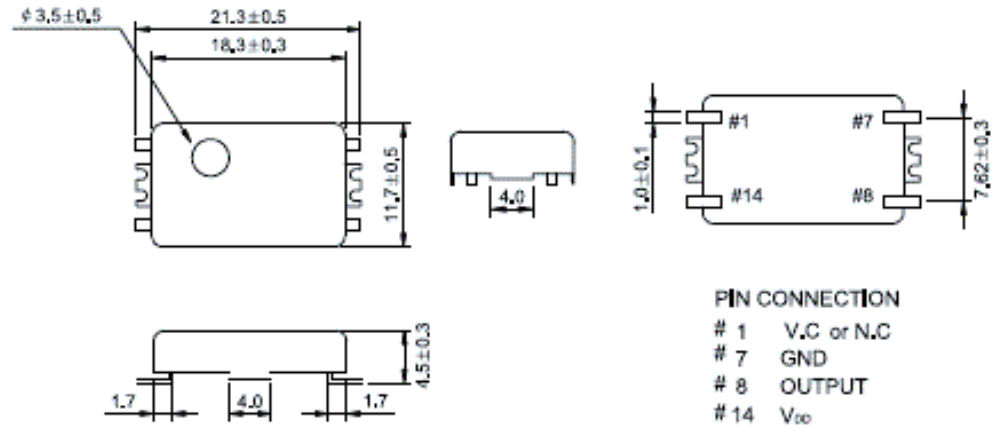


CT21H VC / TCXO

21.3 x 11.7 x 4.5mm
1.200MHz to
40.000MHz
RoHS Compliant
TTL/HCMOS
3.3 or 5.0VDC
VC Option on Pin 1

Mechanical Dimensions



Electrical Specifications

Frequency Range	1.200MHz To 40.000MHz
Frequency Deviation	± 5.0 ppm or 10ppm minimum Over Control Voltage
Frequency Stability	Vs. Operating Temp Rang: See Part Numbering Guide Vs. Input Voltage ($\pm 5\%$) : ± 0.3 ppm Max Vs. Load ($\pm 10\%$): ± 0.3 ppm Max
Supply Voltage	3.3VDC $\pm 5\%$ or 5.0VDC $\pm 5\%$
Output Voltage Logic High (V_{OH}) Logic Low (V_{OL})	With TTL: 2.4V _{DC} Min With HCMOS: 90% of V_{DD} Min With TTL: 0.4V _{DC} Max With HCMOS: 10% of V_{DD} Max
Load Drive Capability	10 TTL Load or 15pF HCMOS Load (STD)
Control Voltage (External)	1.65V _{DC} $\pm$ 1.65V _{DC} (V_{DD} : 3.3V _{DC}), 2.5V _{DC} $\pm$ 2.0V _{DC} (V_{DD} : 5.0V _{DC}) (Positive Transfer Characteristic)
Internal Trim (Top of Can)	± 3 ppm min
Input Current	1.200 to 27MHz: 25mA Max 27.001 to 40.000MHz : 40mA Max
Rise / Fall Time	4nS Max
Duty Cycle	50 $\pm$ 10%
Aging	± 1 ppm Per Year Max

Environmental & Mechanical

Shock	Mil-STD-883, Method 2002, Condition B
Solderability	Mil-STD-883, Method 2003
Solvent Resistance	Mil-STD-883, Method 215
Vibration	Mil-STD-883, Method 2007, Condition A

Part Numbering Guide

Series

CT21H TCVCXO

Tolerance / Stability

B = 1.0ppm
C = 1.5ppm
D = 2.0ppm
E = 2.5ppm
F = 5.0ppm

Operating Temperature Range

2 = -0° to 55°C 6 = -30°C to 85°C
3 = -10°C to 60°C 7 = -40°C to 85°C
4 = -20°C to 70°C Not all temp ranges available with all stabilities

CT21H F 3 H 1 A -25.000MHz-T

Packaging Options

Blank = Bulk
T = Tape & Reel

Center Frequency

1.200MHz to 40.000MHz

Frequency Deviation

A = 10ppm
B = 5ppm

Pin One Connection

1 = No Connect
2 = Voltage Control

Supply Voltage

H = 3.3VDC
J = 5.0VDC

Part Marking Guide

Line #1	CFP CT21H
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