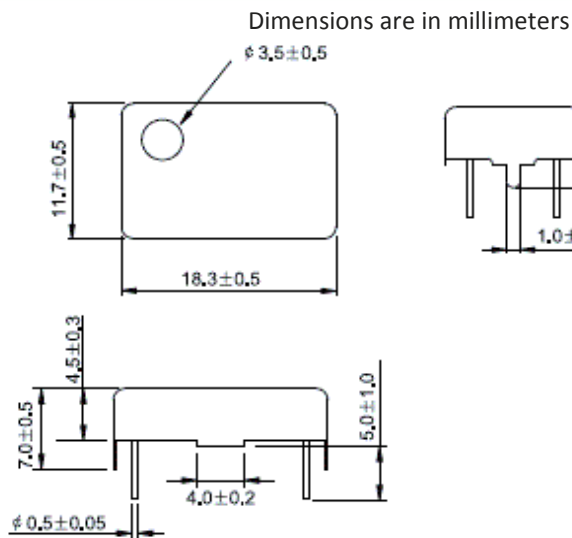


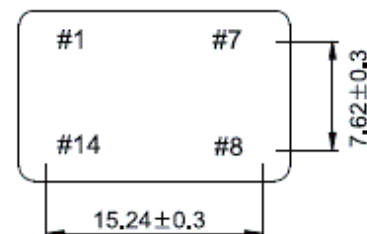
CT18HX VC / TCXO

18.5x11.7x11.0mm
1.200MHz to
40.000MHz
RoHS Compliant
TTL/HCMOS
3.3 or 5.0VDC
VC Option on Pin 1

Mechanical Dimensions



Land Pattern



PIN CONNECTION

#1 V.C or N.C
#7 GND
#8 OUTPUT
#14 V_{DD}

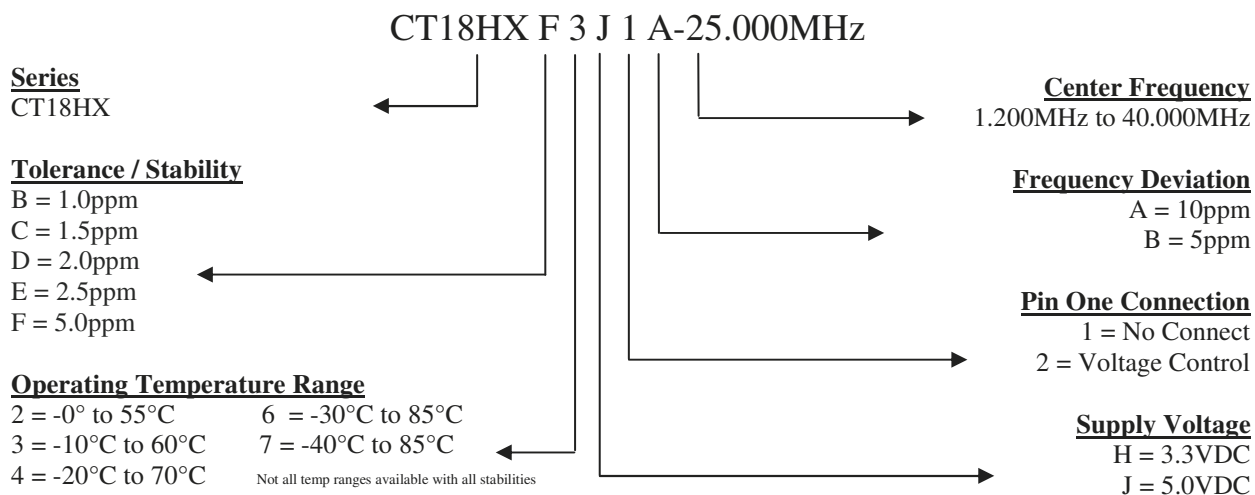
Electrical Specifications

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



Part Marking Guide

Line #1	CFP CT18HX
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