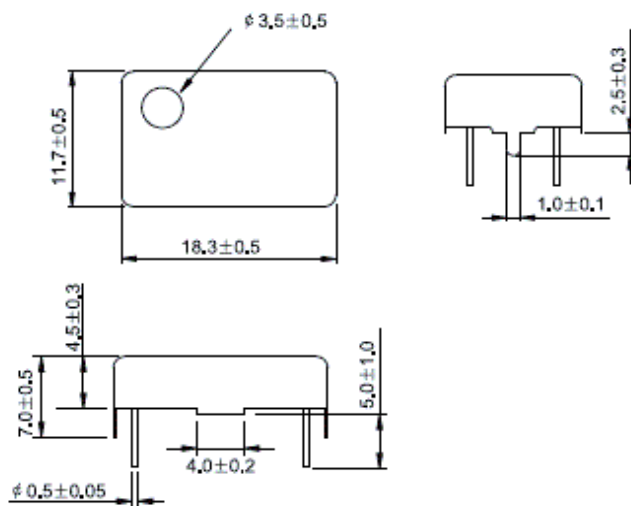


## CT18HX VC / TCXO

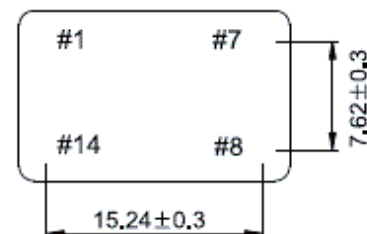
18.5x11.7x11.0mm  
1.200MHz to  
40.000MHz  
RoHS Compliant  
TTL/HCMOS  
3.3 or 5.0VDC  
VC Option on Pin 1

## Mechanical Dimensions

Dimensions are in millimeters



Land Pattern



PIN CONNECTION

#1 V.C or N.C  
#7 GND  
#8 OUTPUT  
#14 V<sub>DD</sub>

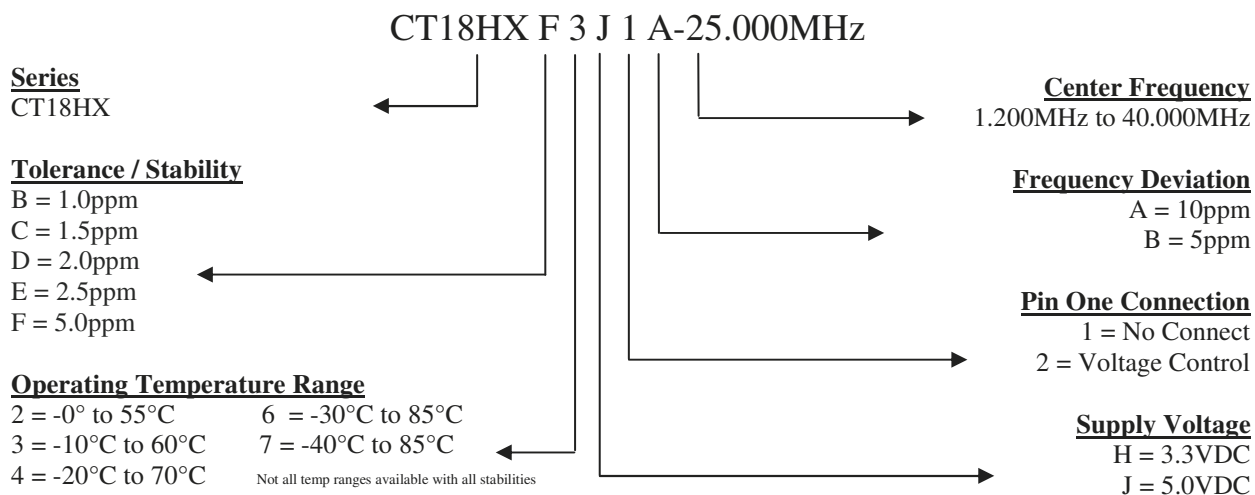
## Electrical Specifications

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