

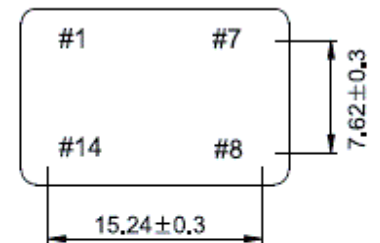
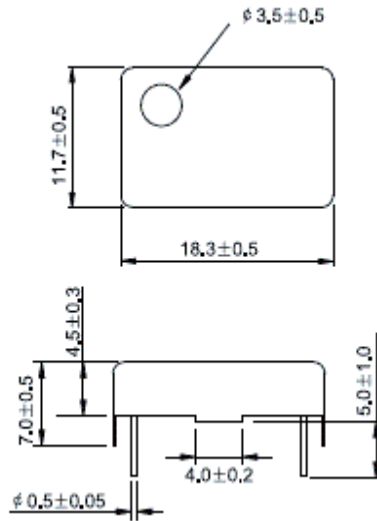
CT18SX VC / TCXO

18.5 x 11.7 x 7.0mm
9.600MHz to 40.000MHz
RoHS Compliant
Clipped Sinewave
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_{DD}

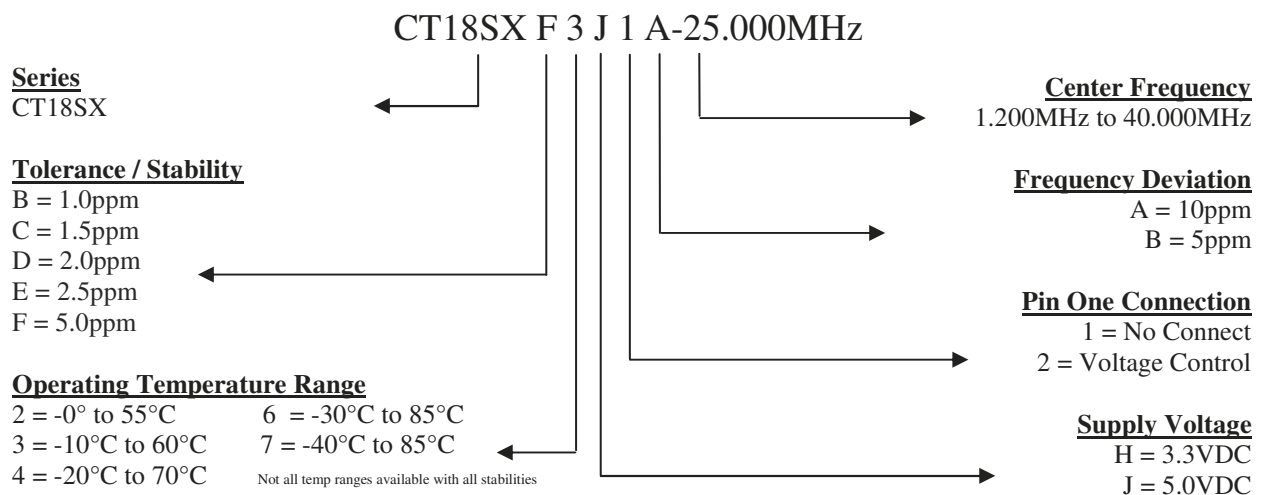
Electrical Specifications

Frequency Range	9.600MHz 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})	0.8Vp-p Min ($V_{DD} : 3.3V_{DC}$) 1.0Vp-p Min ($V_{DD} : 5.0V_{DC}$)
Load Drive Capability	10kOhms//10pF
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	9.600 to 27.000MHz: 3mA Max 27.001 to 40.000MHz : 4mA Max
Rise / Fall Time	5nS 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 CT18SX
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