

Mechanical Dimensions

Dimensions are in millimeters

Land Pattern

The image shows three mechanical drawings of a 4-pin package. The top-left drawing is a top view showing a circular feature with a diameter of $\phi 4,0 \pm 0,5$, a width of $11,7 \pm 0,5$, and a length of $18,5 \pm 0,5$. The bottom-left drawing is a side view showing a height of $11 \pm 0,5$, a mounting hole diameter of $\phi 0,5 \pm 0,05$, a pin diameter of $4,0 \pm 0,2$, and a pin height of $5,0 \pm 1,0$. The middle drawing is a cross-section showing a pin diameter of $1,0 \pm 0,1$ and a pin length of $4,0 \pm 0,2$. The right drawing is a land pattern showing a rectangular footprint with a width of $15,24 \pm 0,3$ and a height of $7,62 \pm 0,3$. The pins are labeled #1, #7, #8, and #14.

PIN CONNECTION

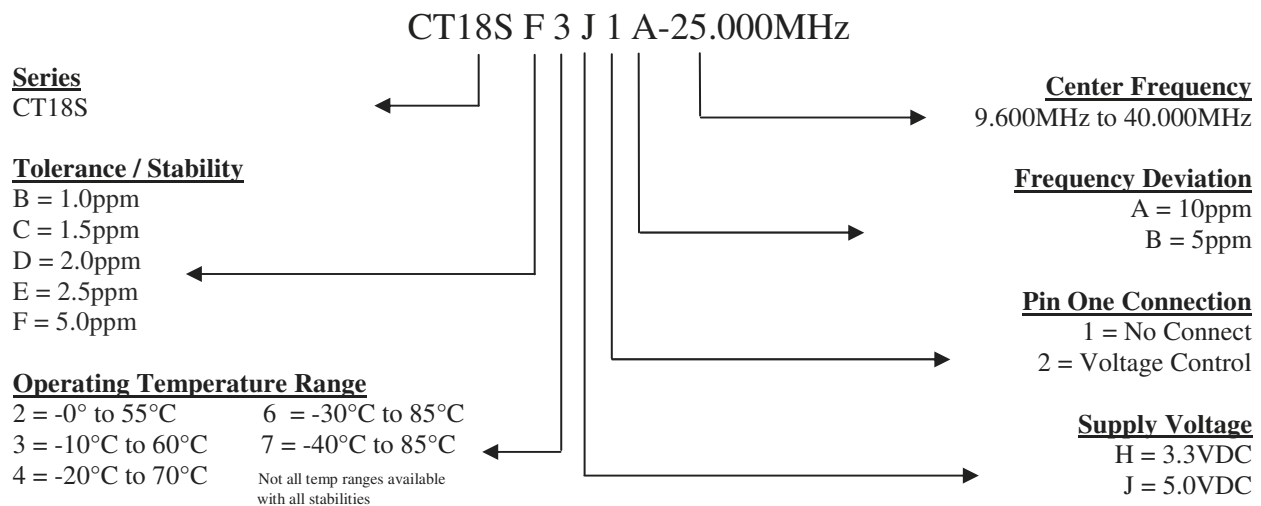
- # 1 V.C or N.C
- # 7 GND
- # 8 OUTPUT
- # 14 V_{DD}

Electrical Specifications	
Frequency Range	9.600MHz To 40.000MHz
Frequency Deviation	±5.0ppm 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 5.0VCD ±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} ± 1.65V _{DC} (V _{DD} : 3.3V _{DC}), 2.5V _{DC} ± 2.0V _{DC} (V _{DD} : 5.0V _{DC}) (Positive Transfer Characteristic)
Internal Trim (Top of Can)	±3ppm 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±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 CT18S
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