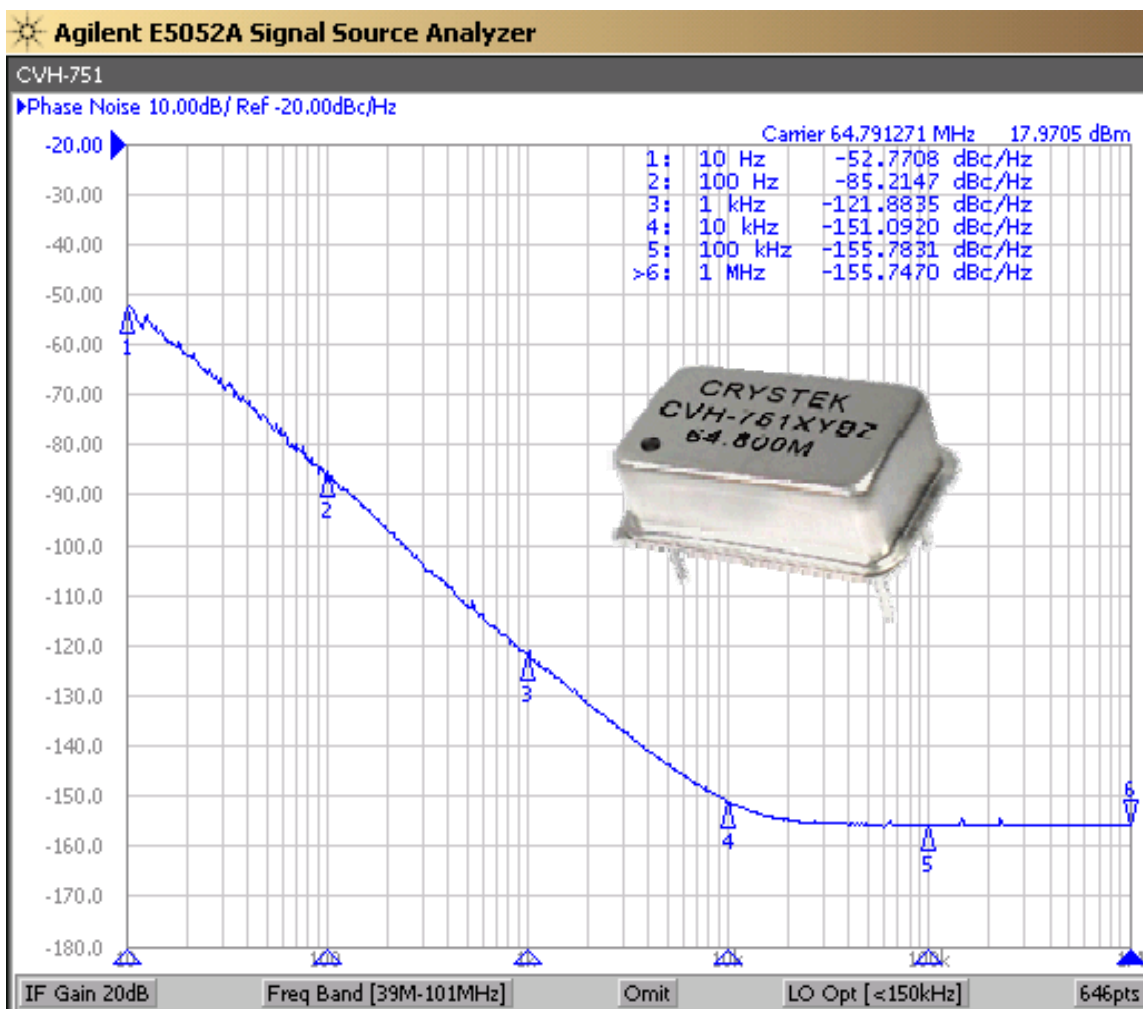




Model CVH-731/751 is a 50MHz to 180MHz HCMOS Voltage Controlled Crystal Oscillator. Designed using straight multiplication operating at 3.3Vdc or 5.0Vdc and -40°C to +85°C operating temperature. This design provides cost advantage over the HFF mesa design and superior performance over PLL designs. This VCXO is also available in 3.3Vdc and 5.0Vdc Clock Oscillator versions.

Applications include Broad band Networks, SONET/SDH/DWD, ATM, Network/switch and Base Stations

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Crystek Part Number Guide

CVH - 731 X Y B X - 125.000
#1 #2 #3 #4 #5 #6 #7

#1 Crystek 14 Pin Dip VCXO
#2 Model = Straight Multiplication: 731=3.3V or 751=5.0V
#3 Temp. Range: (Blank=0/70°C) (M=-20/70°C) (X=-40/85°C)
#4 Duty Cycle: Blank=40/60%, Y=45/55%
#5 Frequency Stability: A= ±15, B= ±20, C= ±25, D= ±50, E= ±100
#6 Frequency Pullability (APR Min.): Z= ±50, Y= ±100, X= ±150, W= ±200
#7 Frequency in MHz: 3 or 6 decimal places

Example:

CVH-751XYBX-125.000

5.0V, -40/85°C, 45/55%, ±20ppm, ±150ppm, 125.000 MHz

Mechanical:

Shock: MIL-STD-883, Method 2002, Condition B

Solderability: MIL-STD-883, Method 2003

Vibration: MIL-STD-883, Method 2007, Condition A

Solvent Resistance: MIL-STD-202, Method 215

Resistance to Soldering Heat: MIL-STD-202, Method 210, Condition A, B or C

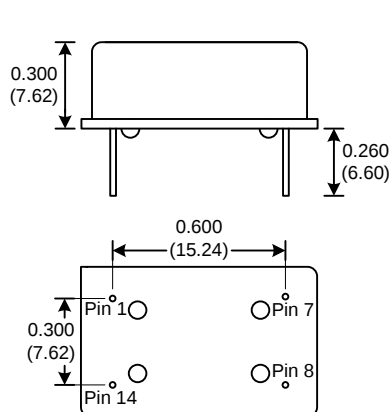
Environmental:

Gross Leak: MIL-STD-883, Method 1014, Condition C

Fine Leak: MIL-STD-883, Method 1014, Condition A1

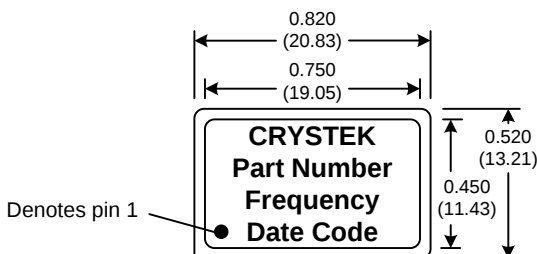
Thermal Shock: MIL-STD-883, Method 1011, Condition A

Moisture Resistance: MIL-STD-883, Method 1004



Dimensions inches
(mm)

All dimensions are Max unless otherwise specified.



PIN	Connection
1	Volt Cntrl
7	GND
8	Output
14	Vdd

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