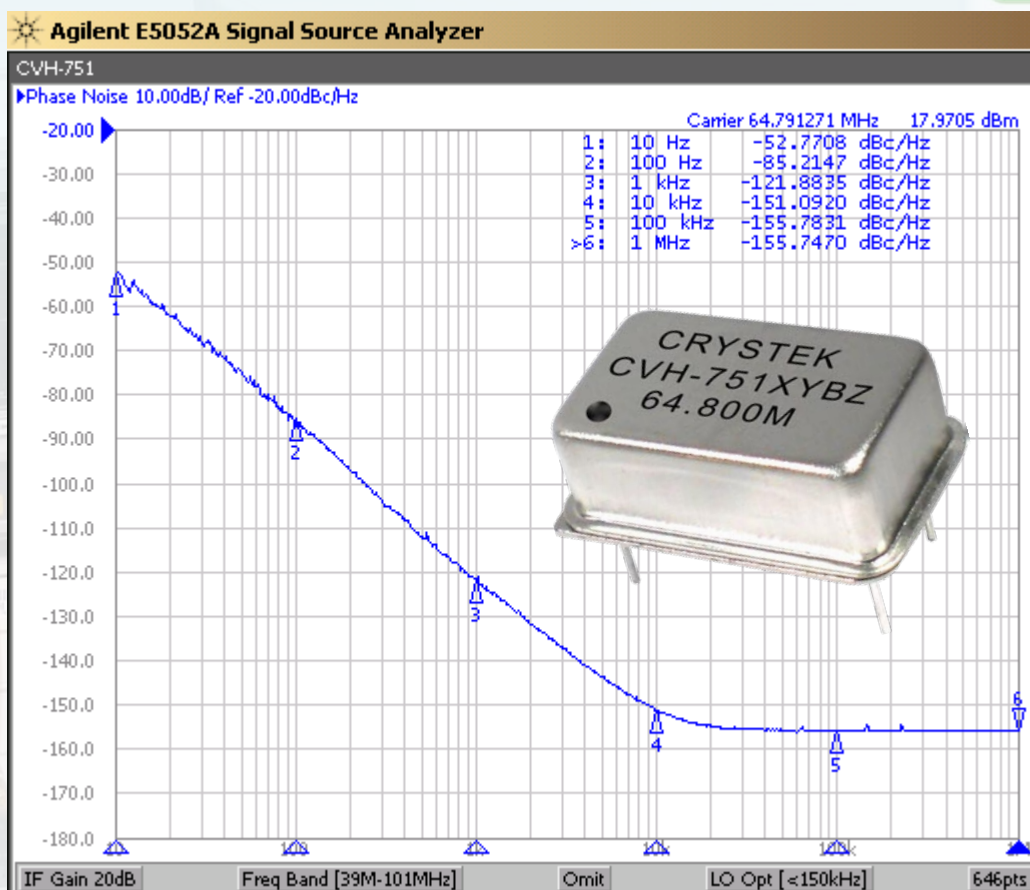




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CVH-731/751 Straight Multiplication HCMOS VCXO



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 to +85C 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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0

RoHS
Compliant

Aging: <3ppm 1st/yr, <1ppm thereafter



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CVH-731/751

Straight Multiplication

HCMOS VCXO



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

PART NUMBER GUIDE

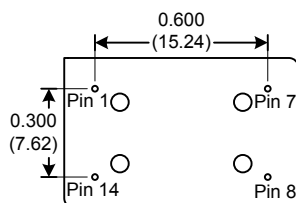
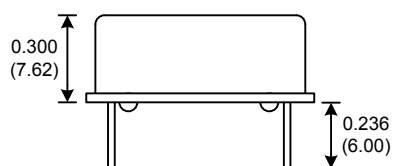
CVH - 751 X Y B Z - 125.000

#1 #2 #3 #4 #5 #6 #7
 #1 Crystek 14 Pin Dip VCXO
 #2 Model = Straight Multiplication 3.3V OR 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

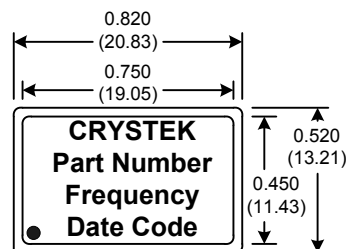
Example:

CVH-751XYBW-125.000

5.0V, -40/85°C, 45/55%, ±20ppm, ±50ppm, 125.000 MHz



Pad	Connection
1	Volt. Cntrl.
2	GND
3	Output
4	Vdd



Dimensions inches (mm)

All dimensions are Max unless otherwise specified.



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Rev.: C

Date: 02-07-08

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