

CVXO-030S & 030 Models

8 & 14 Pin Dip, 3.3V, HCMOS



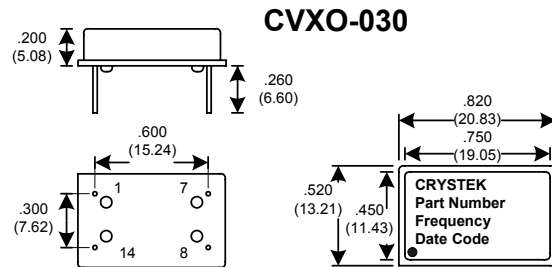
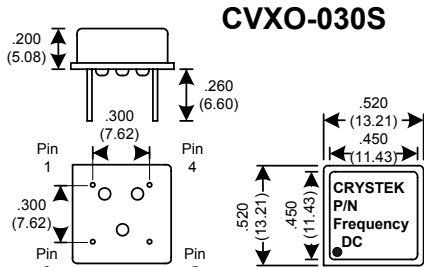
Frequency Range: 1MHz to 200MHz
Frequency Stability: ±10ppm to ±100ppm
Temperature Range: See Table 1
Storage: -55°C to 120°C
Input Voltage: 3.3V ± 0.3V
Control Voltage: 1.65V ± 1.65V
Input Current: 100mA Max @ 200MHz
Output: HCMOS
 Symmetry: 40/60% Max @ 50% Vdd
 (Option Y) 45/55% Max
 Rise/Fall Time: 4ns Typ, 10ns Max
 Control Range: See Table 2
 (50ppm Min, 150ppm Max Std.)
 Output Voltage: "0" = 10% Vdd Max
 "1" = 90% Vdd Min
 Load: 15pF Max
 Linearity: ± 10% Max
Aging: <3ppm 1st/yr, 1ppm every year thereafter

Voltage Controlled Crystal Oscillator

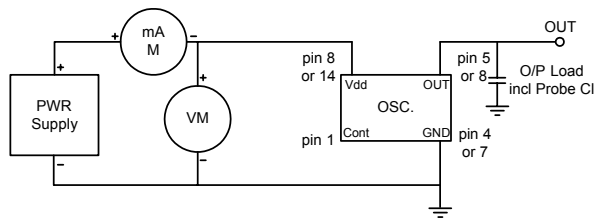


Designed to meet today's requirements for economical solutions.

****Custom Designs Available**



Dimensions inches (mm)
 All dimensions are Max unless otherwise specified.



Operating Temperature	Freq. Stability (± ppm)				
	10	20	25	50	100
A 0°C to 50°C	10	20	25	50	100
B -10°C to 60°C	10	20	25	50	100
C 0°C to 70°C	10	20	25	50	100
D -10°C to 70°C		20	25	50	100
E -20°C to 70°C			25	50	100
F -30°C to 60°C			25	50	100
G -40°C to 85°C			25	50	100

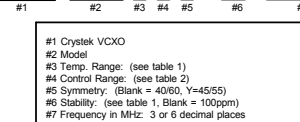
Table 1

CONTROL RANGE OPTIONS	
A	20ppm Typ, 30ppm Max
B	30ppm Min
C	50ppm Min
D	100ppm Min
E	150ppm Min
F	200ppm Min
G (STD)	50ppm Min, 150ppm Max
H	150ppm Min, 250ppm Max
I	200ppm Min, 300ppm Max

Table 2

Crystek Part Number Guide 8 pin

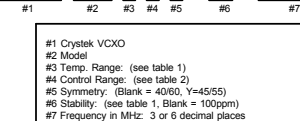
CVXO-030S A A Y - 25 - 44.768



Example:
 CVXO-030SAAAY-25-25.000 = 3.3V VCXO, 0/50°C, ±30ppm Max Pull, 45/55, 25ppm, 25.000 MHz
 CVXO-030SED-19.660800 = 3.3V VCXO, -20/70, ±100ppm Min Pull, 40/60, 100ppm, 19.660800 MHz

Crystek Part Number Guide for 14 pin

CVXO-030 A A Y - 25 - 44.768



Example:
 CVXO-030AAAY-25-25.000 = 3.3V VCXO, 0/50°C, ±30ppm Max Pull, 45/55, 25ppm, 25.000 MHz
 CVXO-030ED-19.660800 = 3.3V VCXO, -20/70, ±100ppm Min Pull, 40/60, 100ppm, 19.660800 MHz

Specifications subject to change without notice.

TD-02078 Rev.C

