CVXO-014S & 014 Models
8 & 14 Pin Dip, **5V, HCMOS/TTL**

Lead Free RoHS Compliant

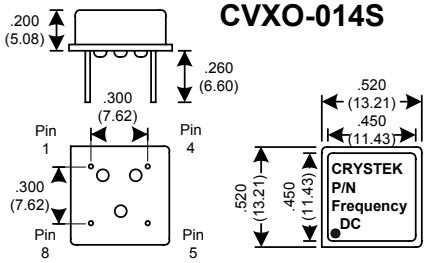
Voltage Controlled Crystal Oscillator

Designed to meet today's requirements for economical solutions.

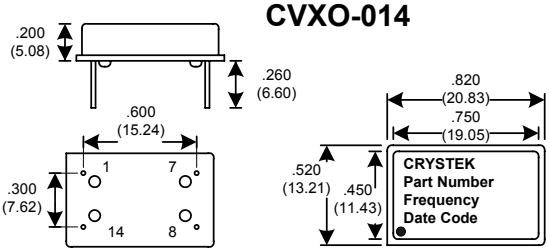
Frequency Range:	1MHz to 200MHz
Frequency Stability:	±10ppm to ±100ppm
Temperature Range:	See Table 1
Storage:	-55°C to 120°C
Input Voltage:	5V ± 0.5V
Control Voltage:	2.5V ± 2.0V
Input Current:	100mA Max @ 200MHz
Output:	HCMOS/TTL
Symmetry:	40/60% Max @ 50% Vdd
(Option Y)	45/55% Max
Rise/Fall Time:	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/10TTL Max
Linearity:	± 10% Max
Aging:	<3ppm 1st/yr, 1ppm every year thereafter

****Custom Designs Available**

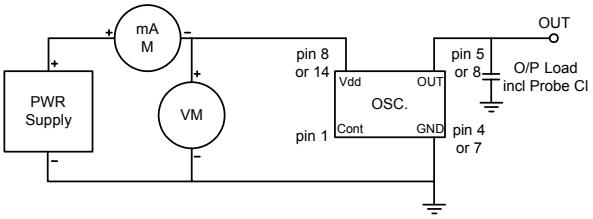
CVXO-014S



CVXO-014



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



Operating Temperature		Freq. Stability (± ppm)				
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 for 8 pin

CVXO-014S A A Y - 25 - 44.768
#1 #2 #3 #4 #5 #6 #7

#1 Crystek VCXO
#2 Model
#3 Temp. Range: (see table 1)
#4 Control Range: (see table 2)
#5 Symmetry: (Blank = 40/60, Y=45/55)
#6 Stability: (see table 1, Blank = 100ppm)
#7 Frequency in MHz: 3 or 6 decimal places

Example:
CVXO-014SAAY-25-25.000 = 5.0V VCXO, 0/50°C, ±30ppm Max Pull, 45/55, 25ppm, 25.000 MHz
CVXO-014SED-19.660800 = 5.0V VCXO, -20/70, ±100ppm Min Pull, 40/60, 100ppm, 19.660800 MHz

Crystek Part Number Guide for 14 pin

CVXO-014 A A Y - 25 - 44.768
#1 #2 #3 #4 #5 #6 #7

#1 Crystek VCXO
#2 Model
#3 Temp. Range: (see table 1)
#4 Control Range: (see table 2)
#5 Symmetry: (Blank = 40/60, Y=45/55)
#6 Stability: (see table 1, Blank = 100ppm)
#7 Frequency in MHz: 3 or 6 decimal places

Example:
CVXO-014AAY-25-25.000 = 5.0V VCXO, 0/50°C, ±30ppm Max Pull, 45/55, 25ppm, 25.000 MHz
CVXO-014ED-19.660800 = 5.0V VCXO, -20/70, ±100ppm Min Pull, 40/60, 100ppm, 19.660800 MHz

Specifications subject to change without notice. TD-02077 Rev.C

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