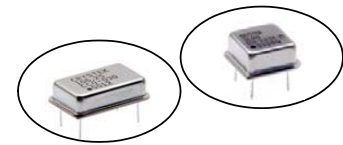


CCO-014S & 014 Models

8 & 14 Pin Dip, 5V, HCMOS/TTL

Lead Free
RoHS
Compliant

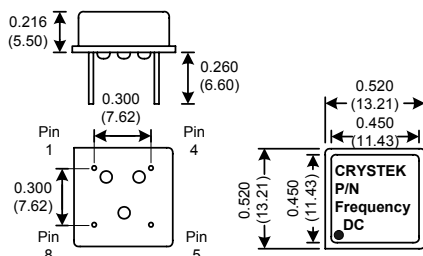
Clock Oscillator



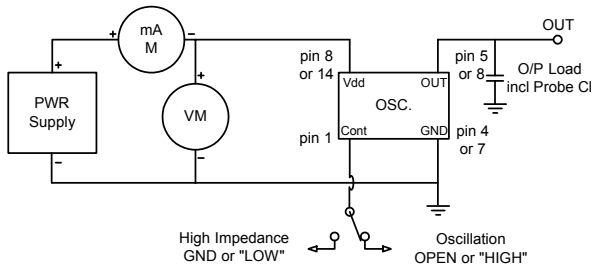
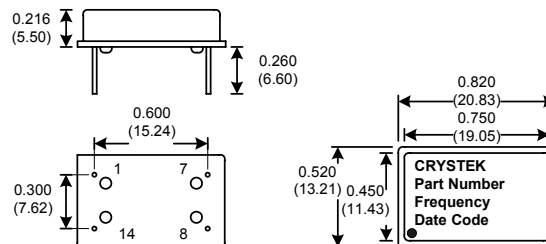
Designed to meet today's requirements for economical solutions.

Frequency Range:	300KHz to 200MHz
Frequency Stability:	±10ppm to ±100ppm
Temperature Range:	
Operating:	0°C to 70°C
(Option M)	-20°C to 70°C
(Option X)	-40°C to 85°C
Storage:	-55°C to 120°C
Input Voltage:	5V ± 0.5V
Input Current:	60mA Max
Output:	HCMOS/TTL
Symmetry:	40/60% Max @ 50% Vdd
(Option Y)	45/55% Max
Rise/Fall Time:	4ns Typ, 10ns Max
Logic:	"0" = 10% Vdd Max
	"1" = 90% Vdd Min
Load:	15pF/10TTL Max
(Option H)	50pF/10TTL Max
Aging:	<3ppm 1st/yr, 1ppm every year thereafter

CCO-014S



CCO-014



Tri-State Function	
Function pin 1	Output pin
Open	Active
"1" level 2.4V Min	Active
"0" level 0.4V Max	High Z

Crystek Part Number Guide

CCO-014 T X Y H- 25 - 49.152

#1 Crystek Clock Osc.
#2 Model (014 or 014S)
#3 Tristate: Blank= no Tristate, T= Tristate
#4 Temp. Range: Blank= 0/70°C, M= -20/70°C, X= -40/85°C
#5 Symmetry: Blank=(40/60), Y=(45/55)
#6 Load: Blank= standard, H= 50pF
#7 Stability: (see Table 1)
#8 Frequency in MHz: 3 or 6 decimal places

Stability Indicator:		0/70	-20/70 -40/85
Blank (std)	± 100ppm	**	**
50	± 50ppm	**	**
25	± 25ppm	**	**
20	± 20ppm	**	**
10	± 10ppm	**	**

Table 1

Example:

CCO-014TXY-25-25.000 = (full size) 5.0V Tristate, -40/85°C, 45/55, 25ppm, 25.000 MHz
CCO-014ST-50-19.660800 = (half size) 5.0V Tristate, 0/70, 40/60, 50ppm, 19.660800 MHz

Specifications subject to change without notice.

TD-02075 Rev.D



Crystek Crystals Corporation

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