

CCO-030S & 030 Models

8 & 14 Pin Dip, 3.3V, HCMOS

Lead Free
RoHS
Compliant

Clock Oscillator

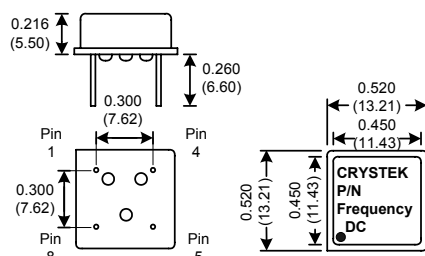


Designed to provide a low cost solution to a broad base of frequency timing applications.

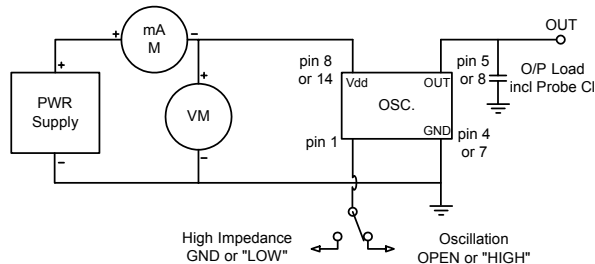
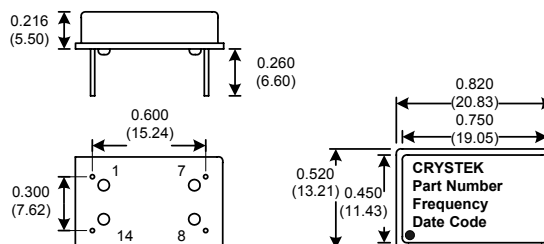
Frequency Range:	30KHz to 200MHz
Frequency Stability:	±10ppm to ±100ppm
Temperature Range:	
Operating:	0°C to 70°C
(Option M)	-20°C to 70°C
(Option X)	-40°C to 85°C
Storage:	-55°C to 120°C
Input Voltage:	3.3V ± 0.3V
Input Current:	10-60mA (freq. dependent)
Output:	HCMOS
Symmetry:	45/55% Max @ 50% Vdd
Rise/Fall Time:	15ns Typ, 20ns Max (30-500KHz)
	4ns Typ, 10ns Max (501KHz-79MHz)
	1.5ns Typ, 3ns Max (80-200MHz)
Logic:	"0" = 10% Vdd Max
	"1" = 90% Vdd Min
Load:	15pF Max
(Option H)	30pF Max (up to 80MHz)

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

CCO-030S



CCO-030



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-030 T X H - 25 - 49.152

#1	#2	#3	#4	#5	#6	#7
#1 Crystek Clock Osc.						
#2 Model (030 or 030S)						
#3 Tristate: Blank= no Tristate, T= Tristate						
#4 Temp. Range: Blank= 0/70°C, M= -20/70°C, X= -40/85°C						
#5 Load: Blank= standard, H= 30pF						
#6 Stability: (see Table 1)						
#7 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-030TX-25-25.000 = (full size) 3.3V Tristate, -40/85°C, 45/55, 25ppm, 25.000 MHz
CCO-030ST-50-19.660800 = (half size) 3.3V Tristate, 0/70, 45/55, 50ppm, 19.660800 MHz

Specifications subject to change without notice.

TD-02076 Rev.H