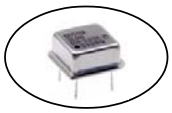
S32xx Model
8 Pin Dip, **5V, HCMOS/TTL**

Lead Free RoHS Compliant

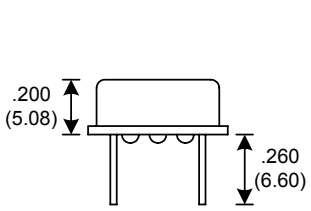
Clock Oscillator

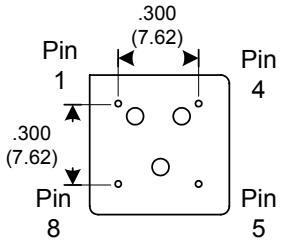


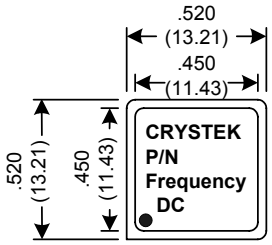
Frequency Range:	1.544MHz to 125MHz
Frequency Stability:	±10ppm to ±100ppm
Temperature Range:	
Operating:	0°C to 70°C
(Option)	-40°C to 85°C
Storage:	-55°C to 120°C
Input Voltage:	5V ± 0.5V
Input Current:	40mA Max
Output:	HCMOS/TTL
Symmetry:	40/60% Max @ 50% Vdd
(Option)	45/55% Max
Rise/Fall Time:	4ns Typ, 6ns Max
Logic:	"0" = 10% Vdd Max
	"1" = 90% Vdd Min
Load:	50pF/10TTL Max
Jitter RMS:	5ps Typ, 10ps Max

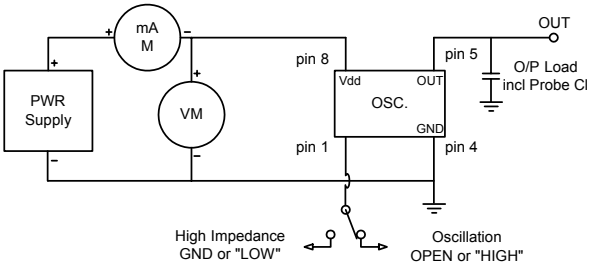
Designed to meet today's requirements for low jitter applications. The oscillator utilizes fundamental and 3rd overtone crystal technology. No multiplier is used therefore reducing output jitter.

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









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

Crystek Part Number Guide

Example: S3292-44.736
Extended Temp: SE3292-44.736

S= 0°C to 70°C
*SE= -40°C to 85°C

Symmetry 40/60%	
Part Number	Freq. Stability
S*3290	+/-100ppm
S*3292	+/- 50ppm
S*3291	+/- 25ppm
S 3298	+/- 20ppm
S 3297	+/- 10ppm
Symmetry 45/55%	
Part Number	Freq. Stability
S*3990	+/-100ppm
S*3992	+/- 50ppm
S*3991	+/- 25ppm
S 3998	+/- 20ppm
S 3997	+/- 10ppm

Specifications subject to change without notice. TD-02064 Rev. B