

S18xx Model
8 Pin Dip, 1.8V, LVCMOS

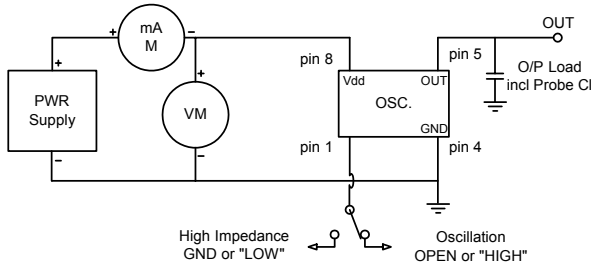
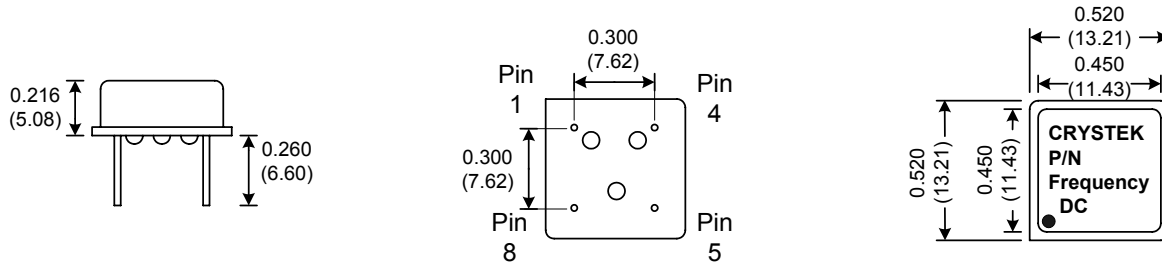


Clock Oscillator



Designed to meet today's requirements for low voltage applications. The power saving sleep function and low jitter make this oscillator an excellent 1.8 Volt solution.

- Frequency Range:** 1MHz to 70MHz
Frequency Stability: ±25ppm to ±100ppm
Temperature Range:
 Operating: 0°C to 70°C
 (Option) -20°C to 70°C
Storage: -55°C to 120°C
Input Voltage: 1.8V ± 0.2V
Input Current: 18mA Max @ 15pF
Output: LVCMOS
 Symmetry: 45/55% Max @ 50% Vdd
 Rise/Fall Time: 1ns Typ, 3.5ns Max
 Logic: "0" = 10% Vdd Max
 "1" = 90% Vdd Min
 Load: 15pF
Jitter RMS: 5ps Typ, 10ps Max
Aging: <3ppm 1st/yr, 1ppm every year thereafter



Tri-State Function	
Function pin 1	Output pin
Open	Active
"1" level 0.7V Min	Active
"0" level 0.3V Max	High Z

Crystek Part Number Guide		
Example: S1892-44.736		
Extended Temp: SM1892-44.736		
Temperature	Part Number	Freq. Stability
0°C to 70°C	S1890	+/-100ppm
0°C to 70°C	S1892	+/- 50ppm
0°C to 70°C	S1891	+/- 25ppm
-20°C to 70°C	SM1890	+/-100ppm
-20°C to 70°C	SM1892	+/- 50ppm
-20°C to 70°C	SM1891	+/- 25ppm

Specifications subject to change without notice.

TD-020810 Rev. D

