

**N33xx Model**  
14 Pin Dip, **3.3V, HCMOS**



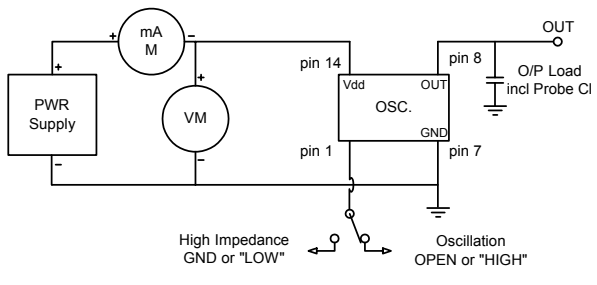
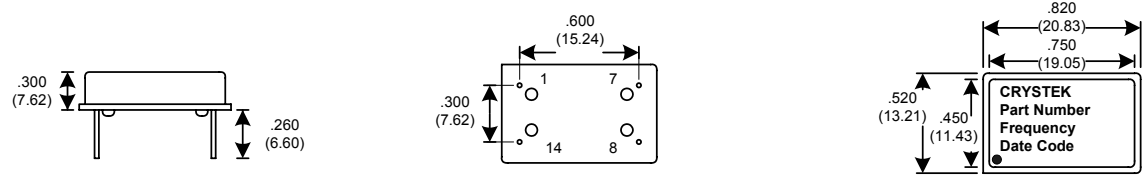
# Clock Oscillator



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

**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:** 3.3V ± 0.3V  
**Input Current:** 40mA Max  
**Output:** HCMOS  
 Symmetry: 45/55% Max @ 50% Vdd  
 Rise/Fall Time: 4ns Typ, 6ns Max  
 Logic: "0" = 10% Vdd Max  
 "1" = 90% Vdd Min  
 Load: 30pF Max  
**Jitter RMS:** 5ps Typ, 10ps Max

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



Crystek Part Number Guide		
Example: N3392-44.736		
Example: NE3392-44.736		
Temperature		Frequency Stability
0/ 70°C	-40/ 85°C	
N3390	NE3390	+/- 100ppm
N3392	NE3392	+/- 50ppm
N3391	NE3391	+/- 25ppm
N3398	NA	+/- 20ppm
N3397	NA	+/- 10ppm

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

Specifications subject to change without notice. **TD-02071 Rev. B**

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