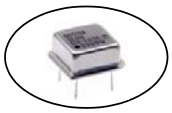
S33xx Model
8 Pin Dip, **3.3V, HCMOS**

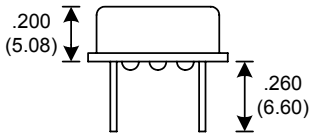
Lead Free RoHS Compliant

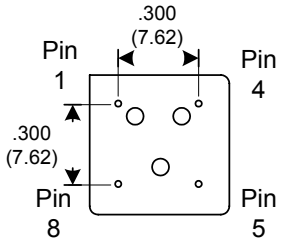
Clock Oscillator

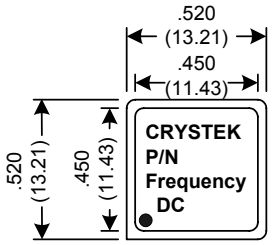


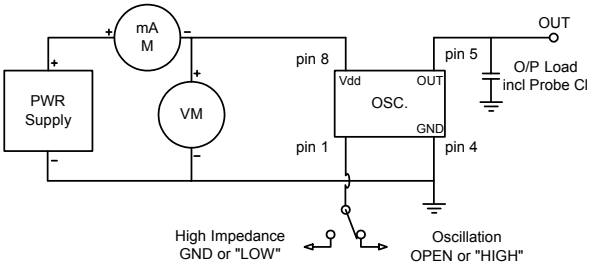
Frequency Range:	1.544MHz to 125MHz
Frequency Stability:	±10ppm to ±100ppm
Temperature Range:	
Operating:	0°C to 70°C
(Option)	-40°C to 85°C
Storage:	-55°C to 120°C
Input Voltage:	3.3V ± 0.3V
Input Current:	40mA Max
Output:	HCMOS
Symmetry:	45/55% Max @ 50% Vdd
Rise/Fall Time:	4ns Typ, 6ns Max
Logic:	"0" = 10% Vdd Max
	"1" = 90% Vdd Min
Load:	30pF Max
Start-Up Time:	10mSec Max
Jitter: 12KHz~20MHz	0.5ps Typ, 1ps Max RMS
Aging:	<3ppm 1st/yr, 1ppm every year thereafter

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.









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: S3392-44.736
Example: SE3392-44.736

Temperature		Frequency Stability
0/ 70°C	-40/ 85°C	
S3390	SE3390	+/- 100ppm
S3392	SE3392	+/- 50ppm
S3391	SE3391	+/- 25ppm
S3398	NA	+/- 20ppm
S3397	NA	+/- 10ppm

Mechanical:

Shock:	MIL-STD-883, Method 2002, Condition B
Solderability:	MIL-STD-883, Method 2003
Vibration:	MIL-STD-883, Method 2007, Condition A
Solvent Resistance:	MIL-STD-202, Method 215
Resistance to Soldering Heat:	MIL-STD-202, Method 210, Condition A,B or C

Environmental:

Thermal Shock:	MIL-STD-883, Method 1011, Condition A
Moisture Resistance:	MIL-STD-883, Method 1004
Gross Leak Test:	MIL-STD-883, Method 1014, Condition A
Fine Leak Test:	MIL-STD-883, Method 1014, Condition A_2

Specifications subject to change without notice. TD-02065 Rev.C

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