

S25xx Model 8 Pin Dip, 2.5V, LVCMOS

Lead Free
RoHS
Compliant

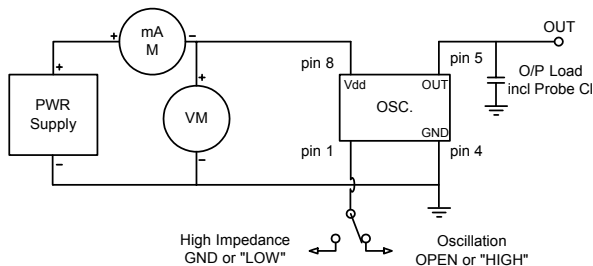
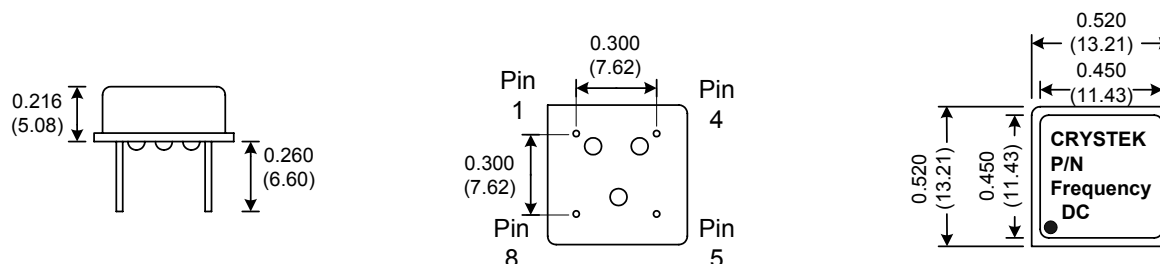
Clock Oscillator



Designed to meet today's requirements for low voltage applications. The S25xx Series uses only fundamental and 3rd overtone crystal designs for excellent jitter performance.

Frequency Range:	1.544MHz to 70MHz
Frequency Stability:	±20ppm to ±100ppm
Temperature Range:	
Operating:	-10°C to 70°C
(Option)	-40°C to 85°C
Storage:	-55°C to 120°C
Input Voltage:	2.5V ± 0.125V
Input Current:	35mA Max
Output:	LVCMOS
Symmetry:	45/55% Max @ 50% Vdd
Rise/Fall Time:	10ns Max @ 20% to 80%
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



Crystek Part Number Guide

Example: S2592-44.736

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Temperature		Frequency Stability
-10/ 70°C	-40/ 85°C	
S2590	SE2590	+/- 100ppm
S2592	SE2592	+/- 50ppm
S2591	SE2591	+/- 25ppm
S2598	NA	+/- 20ppm

Tri-State Function

Function pin 1	Output pin
Open	Active
"1" level 2.2V Min	Active
"0" level 0.4V Max	High Z

Specifications subject to change without notice.

TD-021012 Rev. C



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