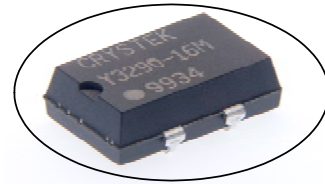


## Y33xx Model 9X14 mm SMD, 3.3V, HCMOS



## Clock Oscillator

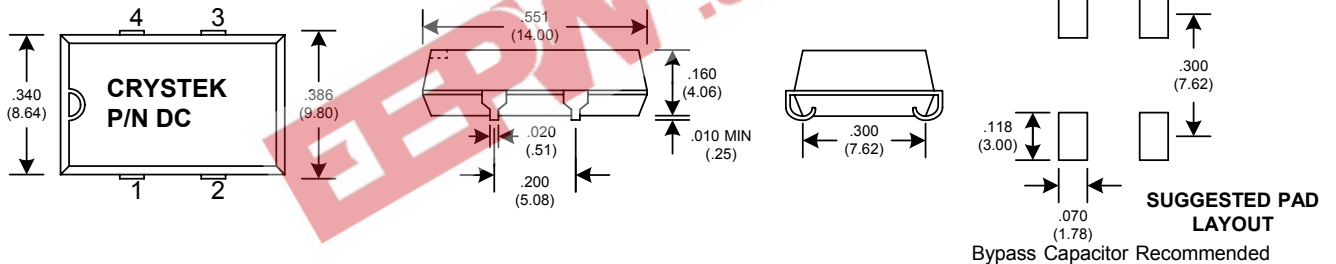


Designed to meet today's requirements for low jitter 3.3V applications. The Y33xx Series is a Non-PLL based oscillator design for excellent jitter performance. Available on tape and reel in quantities of 1K.

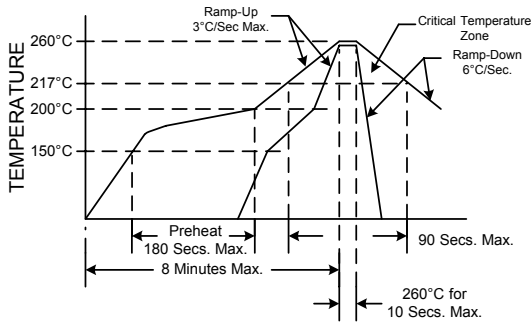
<b>Frequency Range:</b>	1.544MHz to 66.667MHz
<b>Frequency Stability:</b>	±25ppm, ±50ppm, ±100ppm
<b>Temperature Range:</b>	
Operating:	0°C to 70°C
(Option M)	-20°C to 70°C
(Option E)	-40°C to 85°C
<b>Storage:</b>	-55°C to 120°C
<b>Input Voltage:</b>	3.3V ± 0.3V
<b>Input Current:</b>	20mA Max @ 66MHz
<b>Output:</b>	HCMOS
Symmetry:	45/55% Max @ 50% Vdd
Rise/Fall Time:	8ns Max @ 20% to 80% Vdd
Logic:	"0" = 10% Vdd Max "1" = 90% Vdd Min
Load:	30pF Max
<b>Jitter RMS:</b>	12KHz~20MHz 0.5ps Typ, 1ps Max
<b>Aging:</b>	<3ppm 1st/yr, 1ppm every year thereafter

Dimensions inches (mm)

All dimensions are Max unless otherwise specified.



### RECOMMENDED REFLOW SOLDERING PROFILE

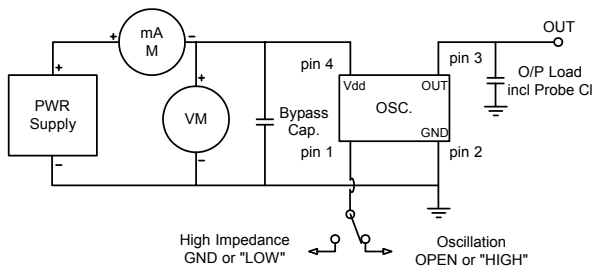


Tri-State Function	
Function pin 1	Output pin
Open	Active
"1" level 2.4V Min	Active
"0" level 0.4V Max	High Z

### Crystek Part Number Guide

Example: Y3392-44.736MHZ  
Intermediate Temp: YM3392-44.736MHZ  
Extended Temp: YE3392-44.736MHZ  
Y = 0°C to 70°C  
\*YM = -20°C to 70°C, \*YE = -40°C to 85°C

Symmetry 40/60%	
Part Number	Freq. Stability
Y*3390	+/- 100ppm
Y*3392	+/- 50ppm
Y*3391	+/- 25ppm (+/- 100ppm only) -40°C to 85°C



Specifications subject to change without notice.

TD-050301 Rev.C

