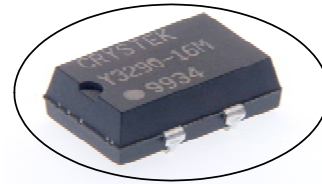


Y32xx Model

9X14 mm SMD, 5V, HCMOS/TTL



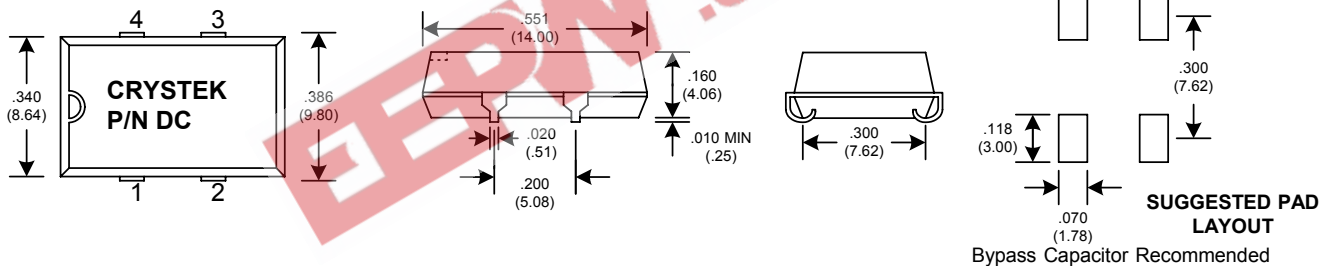
Clock Oscillator



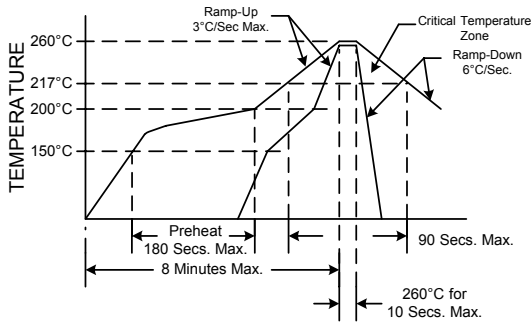
Designed to meet today's requirements for low jitter 5V applications. The Y32xx Series is a Non-PLL based oscillator design for excellent jitter performance. Available on tape and reel in quantities of 1K.

- Frequency Range:** 1.544MHz to 66.667MHz
- Frequency Stability:** ±50ppm to ±100ppm
- Temperature Range:**
 - Operating: 0°C to 70°C
 - (Option M) -20°C to 70°C
 - (Option E) -40°C to 85°C
- Storage:** -55°C to 120°C
- Input Voltage:** 5V ± 0.5V
- Input Current:** 35mA Max @ 66MHz
- Output:** HCMOS/TTL
 - Symmetry: 40/60% Max @ 50% Vdd
 - Rise/Fall Time: 8ns Max @ 20% to 80% Vdd
- Logic:**
 - "0" = 10% Vdd Max
 - "1" = 90% Vdd Min
- Load:** 50pF/10TTL Max
- Jitter RMS:** 12KHz~20MHz 0.5ps Typ, 1ps Max
- Aging:** <3ppm 1st/yr, 1ppm every year thereafter

Dimensions inches (mm)
All dimensions are Max unless otherwise specified.



RECOMMENDED REFLOW SOLDERING PROFILE

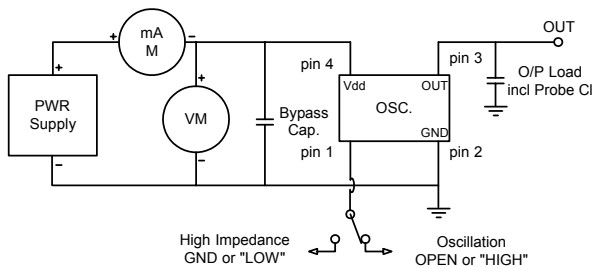


Tri-State Function	
Function pin 1	Output pin
Open	Active
"1" level 2.4V Min	Active
"0" level 0.4V Max	High Z

Crystek Part Number Guide

Example: Y3292-44.736MHZ
Intermediate Temp: YM3292-44.736MHZ
Extended Temp: YE3292-44.736MHZ
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*3290	+/- 100ppm
Y*3292	+/- 50ppm
	(+/- 100ppm only) -40°C to 85°C



Specifications subject to change without notice.

TD-0240501Rev.B

