



FIXED/TRISTATE OSCILLATORS

0° to 70°C

SURFACE MOUNT
P3290, P3292



Plastic, 5V P3290/P3292

Plastic J-Lead, 5V

The P3290/P3292 are replacements for the standard SG-615 plastic J-lead fixed frequency clock oscillators. The MF Electronics' part has all the features of the 615, but includes specifications for jitter.

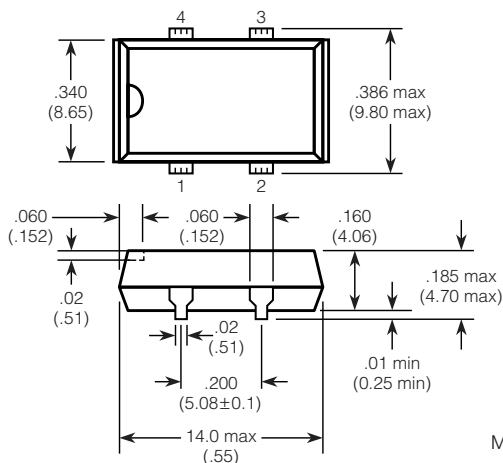
FEATURES

- Exact replacement for SG615P
- Available as $\pm 100\text{ppm}$ or $\pm 50\text{ppm}$
- Tape & Reel

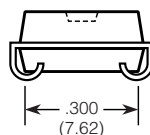
SPECIFICATIONS

P3290/P3292		
Frequency Range	1.000 MHz – 26.000 MHz	26.001 MHz – 66.6667 MHz
Frequency Stability	P3290: $\pm 100\text{ ppm}$ P3292: $\pm 50\text{ ppm}$	
Operating Temperature Range	- 10° C – + 70° C	
Storage Temperature Range	- 55° C – $\pm 125^\circ\text{C}$	
Supply Voltage	V_{DD} : 5.0 $\pm$ 0.5V	
Supply Current	23 mA MAX.	35 mA MAX.
Duty Cycle	TTL level CMOS level	45% – 55% 40% – 60%
Output Voltage	V_{OH} : V_{DD} — 0.4V MIN. V_{OL} : 0.4V MAX.	V_{OH} : V_{DD} — 0.4V MIN. V_{OL} : 0.4V MAX.
Output Load	TTL CMOS	10TTL MAX. 50pF MAX.
Rise & Fall Time	t_r : 8 nsec MAX. t_f : 8 nsec MAX.	t_r : 7 nsec MAX. t_f : 7 nsec MAX.
Start up Time	4 msec MAX.	10 msec MAX.
Input (OE) Voltage	V_{IH} : 2.0V MIN. V_{IL} : 0.8V MAX.	V_{IH} : 2.0V MIN. V_{IL} : 0.8V MAX.
Disable Current	12 mA MAX.	20 mA MAX.
Aging (first year)	$\pm 5\text{ ppm/year MAX.}$	
Shock Resistance	$\pm 20\text{ ppm MAX.}$	

DIMENSIONS

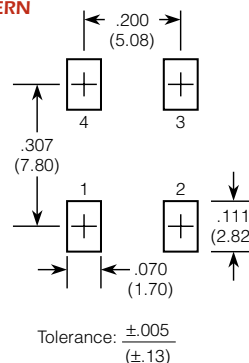


Pin No.	Pin Function
1	OE
2	GND
3	OUT
4	V_{DD}



Millimeters are shown in ().

PCB PATTERN

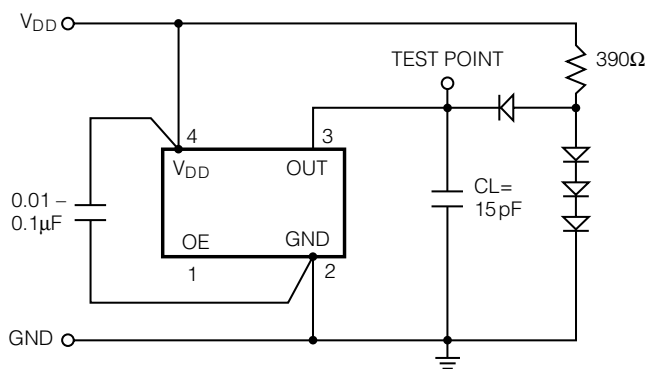


FIXED/TRISTATE OSCILLATORS – 0° to 70°C

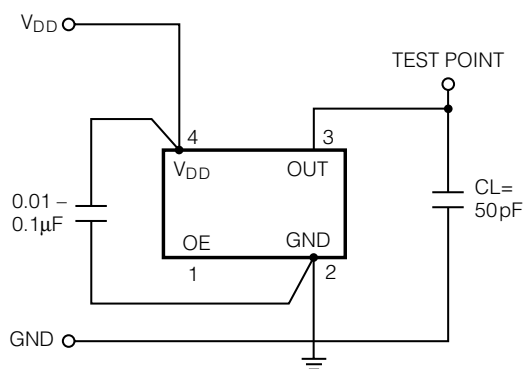
Plastic, 5V

P3290 / P3292

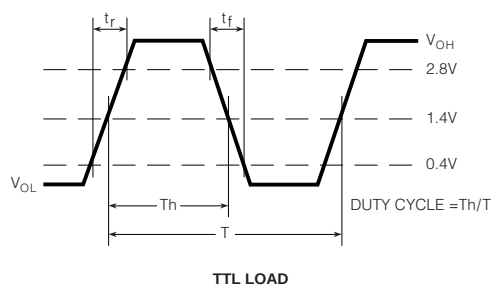
P3290/P3292 (TTL LOAD)



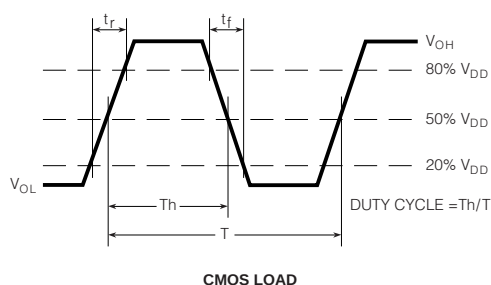
P3290/P3292 (CMOS LOAD)



OUTPUT WAVEFORMS



OUTPUT WAVEFORMS



HOW TO ORDER

For Part Number
Add Frequency to the Model

For Example...

P3292 - 3.6864M

Model is
P3292: 50 ppm

Frequency is
3.6864 MHz

Please order in multiples of 1,000

MF ELECTRONICS