

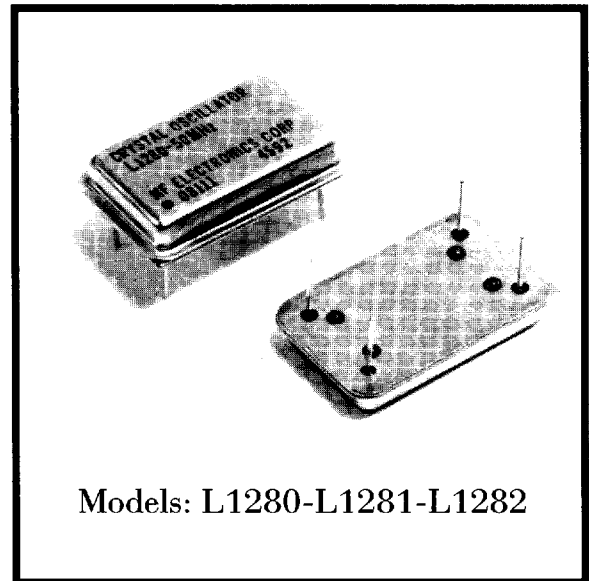
Crystal Clock Oscillators

LOW Power Voltage Profile

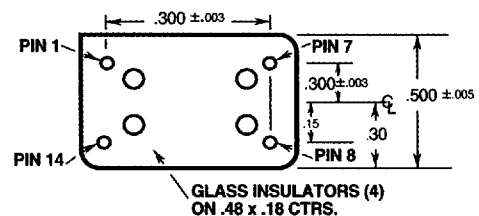
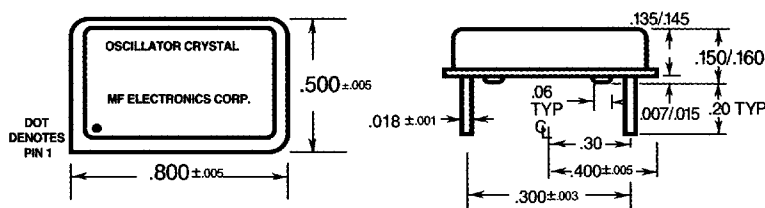
1.8 MHz thru 125 MHz

L1280, L1281 and L1282 are low-voltage, low-power, low-height oscillators capable of driving 30-pF or 10-TTL loads, and have frequency stability of ± 25 thru 100 ppm. They are intended to be used with new 3.3-V computers.

- Low seated height of only 0.160 inch.
- Low operating and standby current thru 125 MHz.
- Three frequency stability choices: ± 25 , 50 and 100 ppm.
- Start-up time of less than 5 ms.
- Guaranteed start-up with ramping DC power supply.
- Proven MF performance and reliability.



Models: L1280-L1281-L1282



Frequencies - 1.8432 MHz thru 125 MHz.

MF Electronics
COMPONENTS THAT SET THE PACE

LOW Power Voltage Profile

1.8 MHz thru 125 MHz

JITTER — The jitter of the negative transition with respect to the positive transition is less than 100 ps.

Model	Stability	Type
L1280	.01%	Fixed Frequency
L1281	.025%	Fixed Frequency
L1282	.05%	Fixed Frequency

SPECIFICATIONS

Temperature

Operating.....0 to 70° C

Storage-40 to + 125° C

Input Voltage3.3 V $\pm 10\%$

Supply Current1.8 to 25 >25 to 67 >67 to 125 MHz

Operating 22 30 35 mA

Output

Load: 50 pF thru 40 MHz

30 pF from >40 MHz to 66.7 MHz

15 pF from >66.7 MHz to 125 MHz

Voltage Level:

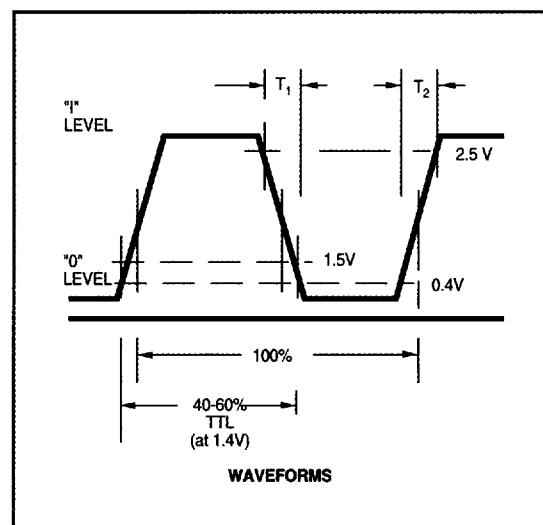
"0"0.4 V max.

"1"2.5 V min. (for 3 V)

Duty Cycle: 50/50 $\pm 10\%$

Rise/Fall Time: 7 ns(1.8432 thru 50 MHz)

3 ns (>50 MHz)



CONNECTIONS

L1280 - L1281 - L1282

Pin	1	No connection
	7	Ground
	8	Output
	14	+3.3V

ORDERING INFORMATION

Specify: Model No. + Frequency

Example: L1281-66.7M

MF Electronics

COMPONENTS THAT SET THE PACE

10 Commerce Drive • New Rochelle, NY 10801 • (914) 576-6570 • FAX: (914) 576-6204