

LM5000 Series

Half-Size CMOS/TTL Compatible Crystal Clock Oscillator for 3.3V and 5V Systems

- HCMOS/TTL Output
- 3.3 and 5.0V Supply Voltage
- 8 pin DIP package
- Gull wing / J-Lead Option

ELECTRICAL SPECIFICATIONS

Frequency Range	8 ~ 70MHz		
Frequency Stability	±25ppm	±50ppm	±100ppm
Operating Temperature Range	0 ~ +70°C		
Storage Temperature Range	-55 ~ +125°C		
Input Voltage	+5.0V _{DC} ±10%	3.3V _{DC} ±0.3V _{DC}	
Input Current	25mA Max		
Symmetry	40/60 ~ 60/40% or 45/55 ~ 55/45% (at 1.4V or ½ V _{DD})		
Rise / Fall Time	.5V to 2.5V 10 to 90%	3.3nS 6.0nS	
Logic "1" Level	V _{OH} : 0.9V _{CC} Min		
Logic "0" Level	V _{OL} : 1V _{CC} Max		
Output Load	10TTL gates or 15pF		
Start up Time	10mSeconds Max		
Phase Jitter (one sigma)	1pS		
Enable Time	100nS		

PART NUMBERING GUIDE

LM5000 .3 C _ G - 62.500MHz

Input Voltage

Blank - 5V
.3 - 3.3V

Frequency Tolerance/Stability

Blank or A - ±100ppm
B - ± 50ppm
C - ± 25ppm
X - Customer Specified

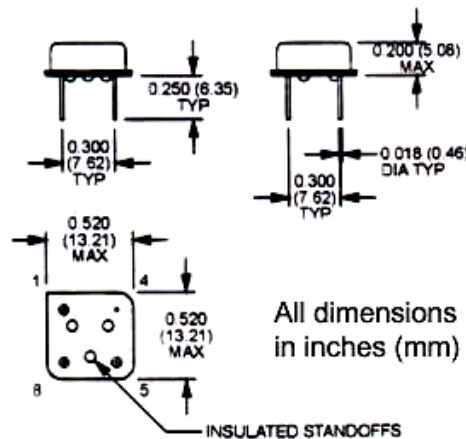
Frequency

Available Lead Option
Blank - standard
G - Gull Wing
J - J-Lead

Pin 1 Connection

Blank - no connection
(E/D) - enable/disable function or Tristate

PACKAGE DIMENSIONS



All dimensions
in inches (mm)

Pin 1: No connect or Tristate
Pin 4: Case Ground
Pin 5: Output
Pin 8: Supply Voltage

General Electronic Devices

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