

LM2000 Series

Half-Size HCMOS/TTL Compatible Oscillators

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

ELECTRICAL SPECIFICATIONS		
Frequency Range	300 KHz – 40MHz	40 MHz – 175MHz
Frequency Stability	±25ppm	±50ppm ±100ppm
Operating Temperature Range	0 ~ +70°C (TTL), -20 ~ +70°C (CMOS)	
Storage Temperature Range	-55 ~ +125°C	
Input Voltage	+5.0V _{DC} ±10%	
Input Current	30mA Max	40mA Max
Symmetry	40/60 ~ 60/40% or 45/55 ~ 55/45% (at 1.4V or ½ V _{DD})	
Rise / Fall Time	TTL	5nSeconds Max
	CMOS	6nSeconds Max
Output Level	TTL	V _{OL} : 0.4V Max V _{OH} : +2.4V Min
	CMOS	V _{OL} : 0.5V Max V _{OH} : V _{DD} – 0.5V Min
Output Load	CMOS, compatible, 1~10TTL Gates	
Pin 1 Tri-state Input Voltage	No connection	Enables Output
	V _{IH}	2.4V _{DC} Min to Enable Output
	V _{IL}	0.8V _{DC} Max to Disable Output

PART NUMBERING GUIDE

LM2000 .3 C (E/D) G – 125.000MHz

Input Voltage

Blank - 5V
.3 - 3.3V

Frequency Tolerance/Stability

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

Frequency

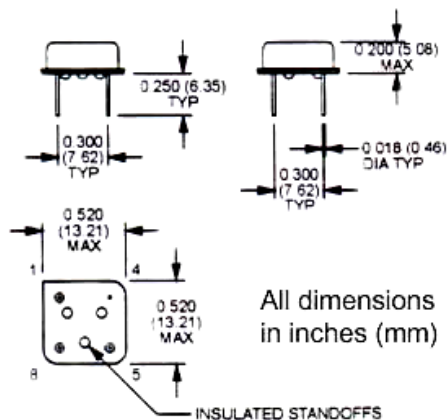
Available Lead Option

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

Pin 1 Connection

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

PACKAGE DIMENSIONS



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

General Electronic Devices

320 So. Pacific St. San Marcos, CA 92069 Tel: (760) 591-4170 Fax: (760) 591-4164 Email: gedlm@4dcomm.com Website: www.gedlm.com