

LM1100 Series

Full Size HCMOS/TTL Compatible Oscillators

- HCMOS/TTL Output
- 5.0V Supply Voltage
- 14 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	5nSeconds Max
	CMOS	6nSeconds Max	6nSeconds Max
Output Level	TTL	V _{OL} : 0.4V Max V _{OH} : +2.4V Min	V _{OL} : 0.4V Max V _{OH} : +2.4V Min
	CMOS	V _{OL} : 0.5V Max V _{OH} : V _{DD} – 0.5V Min	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

LM1100 .3 C (E/D) G – 100.000MHz

Input Voltage

Blank - 5V
.3 - 3.3V

Frequency Tolerance/Stability

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

Frequency

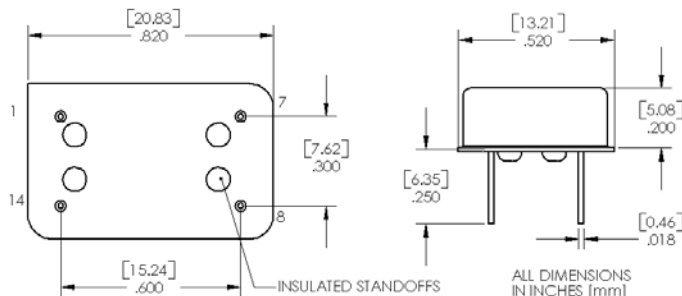
Available Lead Option

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 7: Case Ground
Pin 8: Output
Pin 14: 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