

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

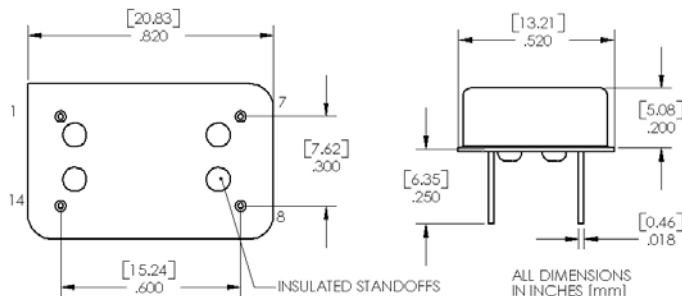
Frequency Tolerance/Stability
Blank or A - ±100ppm
B - ± 50ppm
C - ± 25ppm
X - Customer Specified

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