

Electrical Specifications

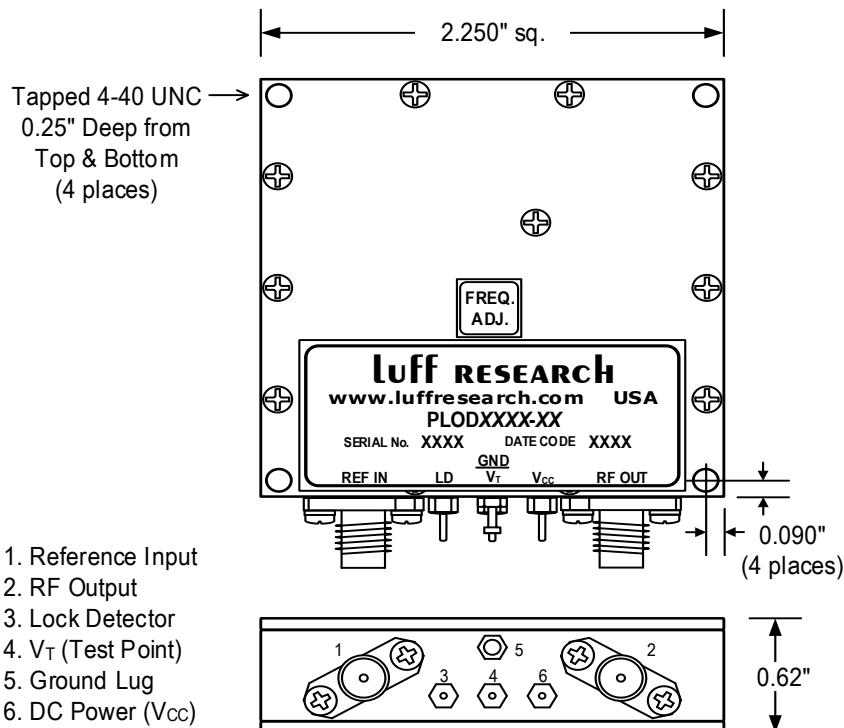
Frequency	1.0 GHz
Frequency Stability and Accuracy	
External Ref.	Same as input
Internal Ref.	± 0.5 PPM (Over Temp Range)
Aging (after 2 months)	± 1.0 PPM max per year @ 25°C
Adjustability	10 years
Phase noise (dBc/Hz)	Typ.
L(100 Hz)	-95
L(1 kHz)	-105
L(10 kHz)	-110
L(100 kHz)	-120
L(1 MHz)	-140
L(10 MHz)	
Spurious (max)	-60 dBc
Harmonics/Sub-Harm. (typ.)	-20 / -20 dBc
DC Power	
+5.5 VDC ± 0.5 VDC	250 mA
Power Out (nom. / min. @ 25°C)	+15 / +13 dBm
Power Variation (typ.)	2 dB
Load VSWR (max.)	2:1
Phase-Lock Indicator (LD)	Open Collector (note 5)

Reference Specifications

Input Reference Frequency	10 MHz
Input Level	0 dBm ± 3 dBm

Environment Specifications

Operating Temp. Range (surface)	-5°C to 65°C (note 4)
Storage Temp. Range	-40°C to 85°C
Relative Humidity (non-condensing)	90%RH @ 40°C
Shock	30G / 10 ms
Vibration	4G / 20 Hz - 20 kHz



Notes:

1. This unit is available with an internal TCXO (±0.5 PPM) upon quote.
2. "Reference Input" is not available on units with an internal TCXO.
3. Frequency Adjust feature is only applicable to units with an internal TCXO.
4. Proper heatsinking may be required to keep surface temp. lower than +65°C.
5. TTL Compatible Lock Detect available upon quote.

luff RESEARCH, inc.

luffresearch.com | 20 N. Tyson Ave. Floral Park, NY 11001

Product Data Sheet

Phase Locked Digital Oscillator

PLOD-1000-10

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