

## SPECIFICATIONS

### Output Frequency

Frequency:	1000 MHz	
Frequency stability and accuracy		
<input checked="" type="checkbox"/> External reference unit	Same as input	
<input type="checkbox"/> Internal reference unit	$\pm 0.5$ PPM (over temp range)	
Aging (After 2 months):	$\pm 1$ PPM max per year @ 25°C	
Adjustability (typ.):	10 years	
Phase noise in dBc/Hz (typ.):	Typ.	Max.
L(10 Hz)		
L(100 Hz)	-95	
L(1 kHz)	-100	
L(10 kHz)	-105	
L(100 kHz)	-120	
L(1 MHz)	-145	
L(10 MHz)	-160	
Spurious (max.):	-60 dBc	
Harmonics (typ.):	-30 dBc	
Power out (min.) @ 25°C:	+13 dBm	
Power variation (freq. & temp.) (max.):	2 dB	
Load VSWR (max.):	2:1	
Phase-lock indicator (LD), High = lock:	<input checked="" type="checkbox"/> Open collector	<input type="checkbox"/> TTL

### Reference Frequency

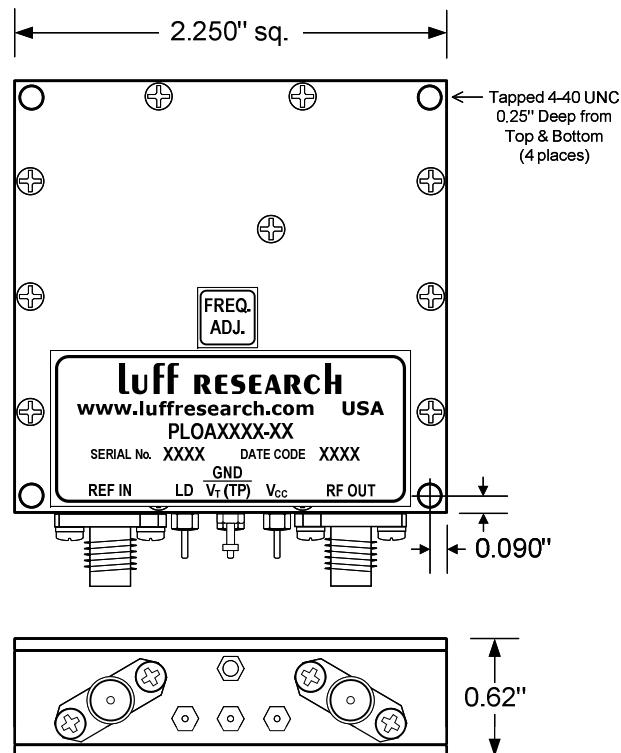
Input reference frequency:	10 MHz	
Input level:	0 dBm $\pm 3$ dB	

### DC Power

+5.5 Vdc $\pm 0.5$ V	250 mA
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### Environment

Operating temperature range (surface):	-10°C to 70°C
Storage temperature range:	-40°C to 85°C
Relative humidity (non-condensing):	90%RH @ 40°
Shock:	30 G / 10msec
Vibration:	4 G / 20 Hz - 20 kHz



### NOTES:

1. These units are available with an internal TCXO. (Model No. PLOD1000-INT)
2. The Frequency adjustment is only applicable on units with internal reference.
3. The 'REF IN' connector is not provided on units with internal reference.

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PRODUCT DATA SHEET
Digital Phase-Locked Ceramic Resonator Oscillator
Model: PLOD1000-10
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