

PLO SPECIFICATIONS

Output Frequency

Frequency:	14.0 GHz		
Frequency stability and accuracy			
<input type="checkbox"/> External reference unit	Same as input		
<input checked="" type="checkbox"/> Internal reference unit	±0.5 PPM (over temp range)		
Aging (After 2 months):	±1 PPM max per year @ 25°C		
Adjustability (typ.):	10 years		
Phase noise in dBc/Hz (typ.):		Typ.	Max.
	L(10 Hz)	-65	
	L(100 Hz)	-75	
	L(1 kHz)	-80	
	L(10 kHz)	-80	
	L(100 kHz)	-85	
	L(1 MHz)	-120	
	L(10 MHz)	-130	
Spurious (max.):	-60 dBc		
Harmonics (typ.):	-20 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

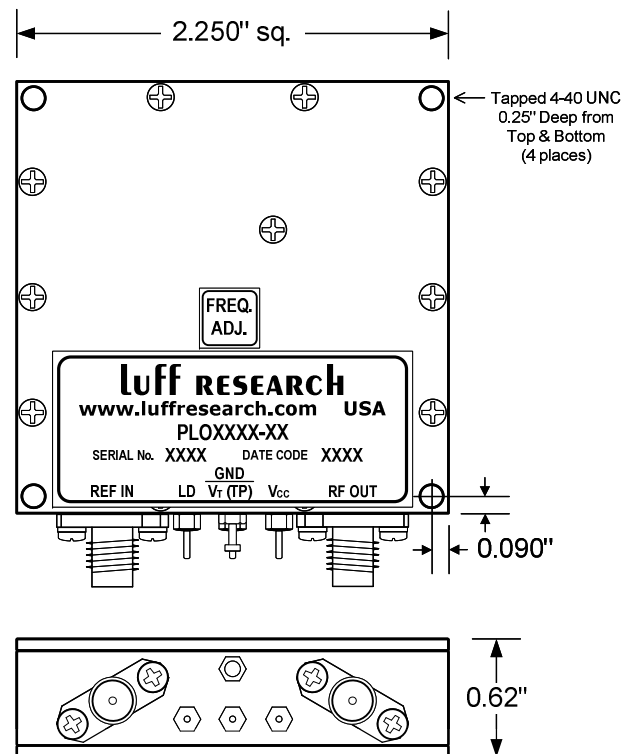
Input reference frequency:	Internal Reference
Input level:	N/A

DC Power

+5.5 Vdc ±0.5 V	450 mA
-----------------	--------

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. This unit is available with an external 10 MHz reference input. (Model No. PLVCO-14000-10)
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.

Luff RESEARCH, INC.

FLORAL PARK, NY

PHONE: (516) 358-2880 FAX: (516) 358-2757

PRODUCT DATA SHEET

Phase-Locked Voltage Controlled Oscillator

Model: PLVCO-14000-INT

05/15/14