

PLO SPECIFICATIONS

Output Frequency

Frequency:	430 MHz		
Frequency stability and accuracy			
<input checked="" type="checkbox"/> External reference unit	Same as input		
<input 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)	-80	
	L(100 Hz)	-100	
	L(1 kHz)	-110	
	L(10 kHz)	-115	
	L(100 kHz)	-120	
	L(1 MHz)	-130	
	L(10 MHz)	-150	
Spurious (max.):	-60 dBc		
Harmonics (typ.):	-40 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

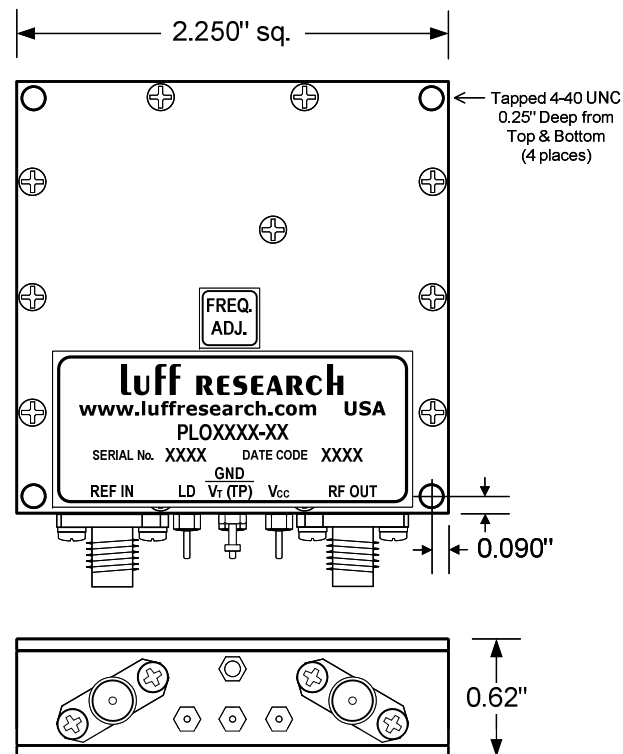
Input reference frequency:	10 MHz
Input level:	0 dBm ±3 dB

DC Power

+5.5 Vdc ±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 unit are available with an internal TCXO. (Model No. PLOD0430-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 Oscillator

Model: PLOD0430-10

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