SPECIFICATIONS

Output Frequency

Frequency:	1000 MHz		
Frequency stability and accuracy			
[X] External reference unit	Same as input		
[ ] 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)	-75	
	L(100 Hz)	-100	
	L(1 kHz)	-120	
	L(10 kHz)	-125	
	L(100 kHz)	-140	
	L(1 MHz)	-160	
	L(10 MHz)	-165	
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:	[X] Open collector	[ ] TTL	

Reference Frequency

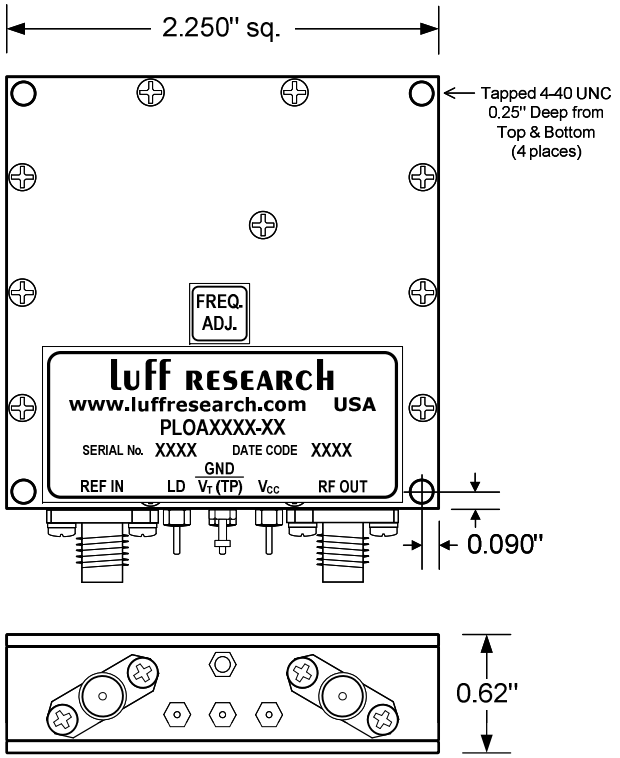
Input reference frequency:	10 MHz
Input level:	0 dBm ±3 dB

DC Power

+5.5 Vdc ±0.5 V	250 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. These unit are available with an internal TCXO. (Model No. PLOA1000-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.
4. Close in phase noise is reference dependent. Ouput phase noise is typically equal to the reference phase noise + (20logN+3) db.

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PRODUCT DATA SHEET

Analog Phase-Locked Ceramic Resonator Oscillator

Model: PLOA1000-10		05/17/14