

## Electrical Specifications

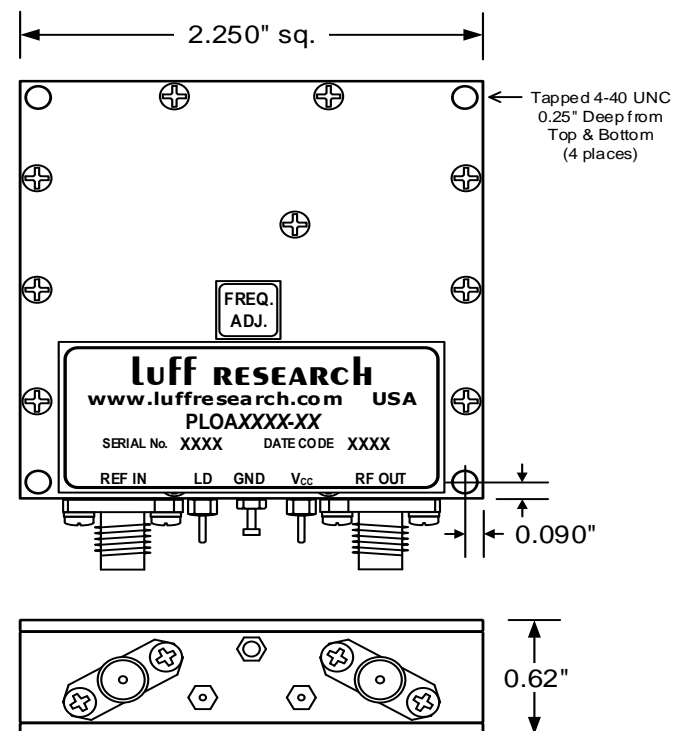
Frequency	1.57 GHz
Frequency Stability and Accuracy	
External Ref.	Same as input
Internal Ref.	± 0.5 PPM (Over Temp Range)
Aging (after 2 months)	± 1.0 PPM max per year @ 25°C
Adjustability	10 years
Phase noise (dBc/Hz)	Typ.
L(10 Hz)	-80
L(100 Hz)	-95
L(1 kHz)	-110
L(10 kHz)	-110
L(100 kHz)	-130
L(1 MHz)	-140
L(10 MHz)	-155
Spurious (max)	-60 dBc
Harmonics (typ.)	-30 dBc
DC Power	
+5.5 VDC ± 0.5 VDC	350 mA
Power Out (min. @ 25°C)	+13 dBm
Power Variation (typ.)	2 dB
Load VSWR (max.)	2:1
Phase-Lock Indicator (LD)	Open Collector (note 4)

## Reference Specifications

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

## Environment Specifications

Operating Temp. Range (surface)	0°C to 65°C (note 3)
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 features an automatic switch to an internal reference TCXO ( $\pm 0.5$  PPM) when the external reference is removed.
2. Phase noise is reference dependent for offsets lower than 100 Hz.
3. Proper heatsinking may be required to keep surface temp. lower than +65°C.
4. TTL Compatible Lock Detect available upon quote.

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Product Data Sheet

Phase Locked Analog Oscillator

PLOA-1570-10

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3.57

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