

SPECIFICATIONS

Output Frequency

Frequency:	1000 MHz
Freq. stability and accuracy (Ext. Ref):	Same as Input
Freq. stability and accuracy:	±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.): Close in phase noise is reference dependent. Output phase noise is typically equal to the reference phase noise - (20logN+3) db.	L(100 Hz) -100
	L(1 kHz) -110
	L(10 kHz) -120
	L(100 kHz) -125
L(1 MHz) -145	
Spurious (max.):	-60 dBc
Harmonics (typ.):	-40 dBc
Power out (min.):	+13 dBm
Power variation (freq. & temp.) (max.):	2 dB
VSWR:	1.5:1
Load VSWR (max.):	2:1
Phase-lock indicator:	High = lock (open collector)
V _T Tuning Voltage (nom.):	+2.5V

Input Frequency

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

DC Power

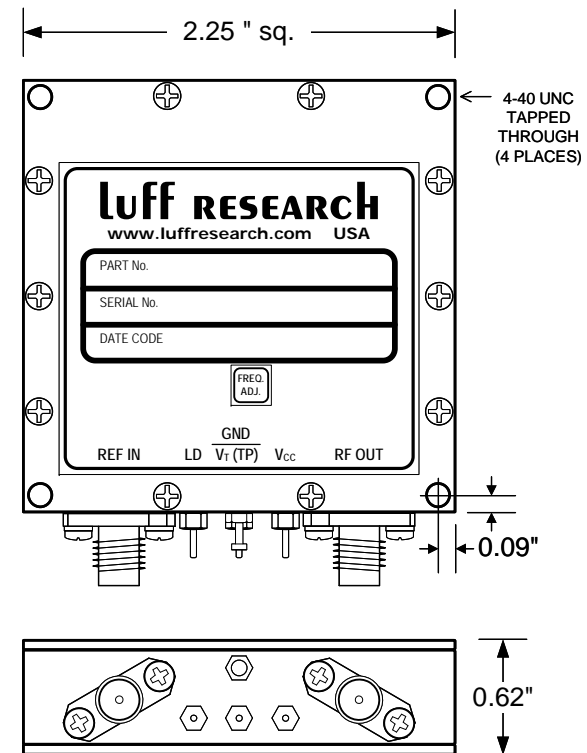
+5.0 Vdc (min.) +6.0 Vdc (max.)	300 mA (max.)
Internal regulator	

Mechanical

RF connectors:	2 SMA (F)
DC connection:	3 Filtered Feed Throughs

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 internal reference. (Model No. PLOAxxxx-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. Model No. PLOAxxxx-yy
xxxx = the output frequency in MHz and yy = the reference frequency in MHz.

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PRODUCT DATA SHEET

Analog Phase-Locked Ceramic Resonator Oscillator

Model: PLOA1000-10

01/12/12