

SPECIFICATIONS

Output Frequency

Frequency:	320 MHz
Freq. stability and accuracy (Ext. Ref):	Same as Input
Freq. stability and accuracy (Int. Ref):	±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.):	L(10 Hz) -90 L(100 Hz) -100 L(1 kHz) -110 L(10 kHz) -115 L(100 kHz) -120 L(1 MHz) -140
Spurious (max.):	-60 dBc
Harmonics (typ.):	-40 dBc
Power out (min.):	+13 dBm
Output power variation (freq. & temp.):	2 dB
VSWR:	1.5:1
Load VSWR (max.):	2:1
Phase-lock indicator:	High = lock (open collector)
VT Tuning Voltage (nom.):	+2.5V

Input Frequency

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

DC Power

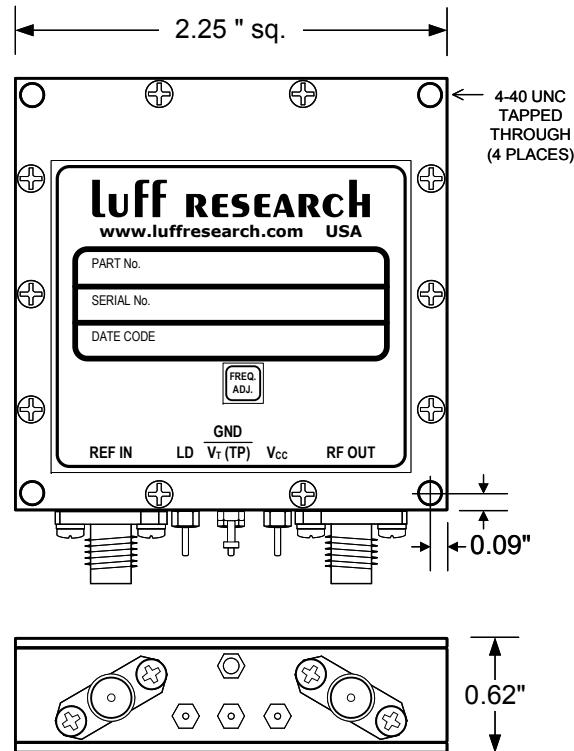
+5.0 Vdc (min.) +6.0 Vdc (max.)	250 mA (max.)
Internal regulator	

Mechanical

RF connector:	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 units are available with an internal TCXO. (Model No. PLODxxxx-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. PLODxxxx-yy
xxxx = the output frequency in MHz and yy = the reference frequency in MHz.

luff RESEARCH, inc.		
FLORAL PARK, NY		
PHONE: (516) 358-2880 FAX: (516) 358-2757		
PRODUCT DATA SHEET		
Phase-Locked Hi-Q LC Oscillator		
Model: PLOD0320-10		06/02/08