

SPECIFICATIONS

Output Frequency

Frequency:	660 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)	-75
	L(100 Hz)	-108
	L(1 kHz)	-133
	L(10 kHz)	-138
	L(100 kHz)	-150
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 (LD):	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

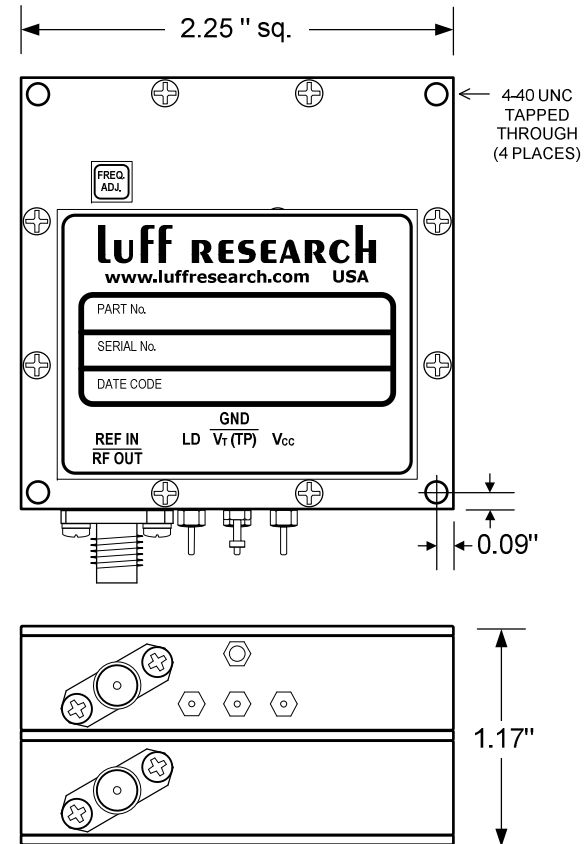
+5.0 Vdc (min.) +6.0 Vdc (max.)	350 mA (max.)
Internal regulator	

Mechanical

RF connectors:	SMA (F)
DC connections:	Filtered Feed Throughs

Environment

Operating temperature range (surface):	0°C to 60°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. This unit has the feature that when the input reference is removed, the internal reference is automatically switched in as the reference to the phase-locked loop.
2. The frequency adjustment is fragile and needs to be used with care.
(recommended tuning tool size 0.060" x 0.015")

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PHONE: (516) 358-2880 FAX: (516) 358-2757		
PRODUCT DATA SHEET		
Phase-Locked Crystal Oscillator		
Model: PLOX660-10		09/12/11