

## SPECIFICATIONS

### Output Frequency

Frequency:	10 MHz	
Freq. stability and accuracy:	Same as Input	
Phase noise in dBc/Hz:	L(10 Hz)	-120
	L(100 Hz)	-145
	L(1 kHz)	-160
	L(10 kHz)	-165
	L(20 kHz)	-165
Spurious (max):	-80 dBc	
Harmonics (typ.):	-30 dBc	
Power out (min.):	+12 dBm	
Output power variation (freq. & temp.):	1 dB	
VSWR:	1.5:1	
Load VSWR (max.):	2:1	
Phase-lock indicator (LD):	High = lock (open collector)	

### Input Frequency

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

### DC Power

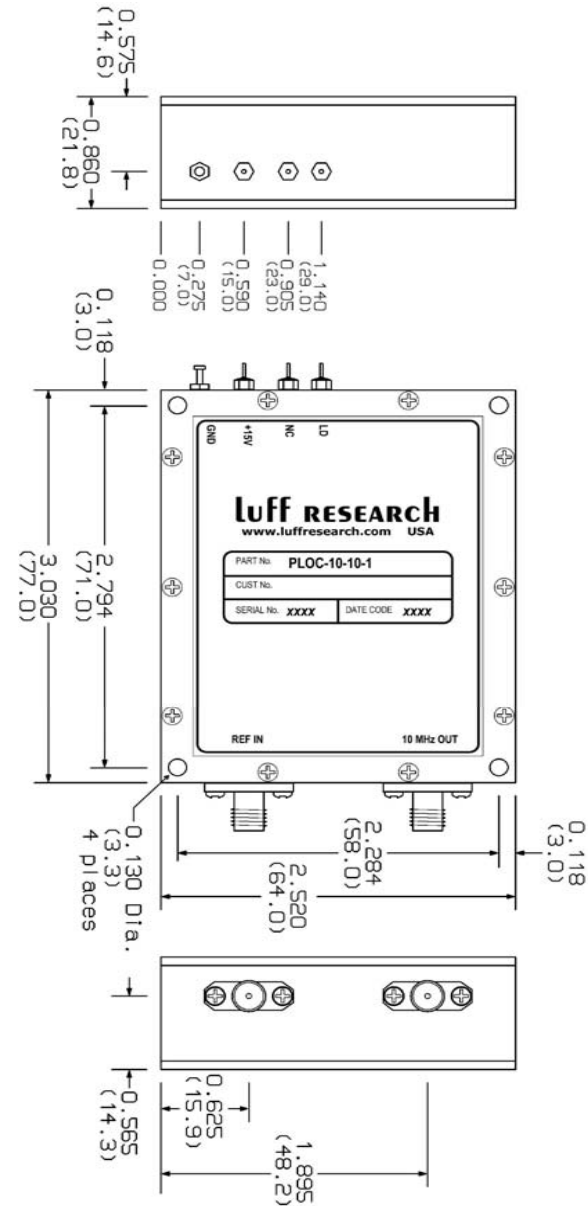
+15.0 Vdc ±5%	Typical:	250 mA
	Warm-up:	400 mA
Internal regulator		

### Mechanical

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

### Environment

Operating temperature range (surface):	-20°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



**luff RESEARCH, inc.**

FLORAL PARK, NY

PHONE: (516) 358-2880 FAX: (516) 358-2757

PRODUCT DATA SHEET

OCXO Based 10 MHz Clean-up Loop

Model: PLOC10-10

Rev. B

05/12/11