

SPECIFICATIONS

Output Frequency

Frequency:	10.13 GHz	
Output frequency stability and accuracy:	same as input	
Phase noise in dBc/Hz (typ.):	L(100 Hz)	-70
	L(1 kHz)	-95
	L(10 kHz)	-110
	L(100 kHz)	-115
	L(1 MHz)	-135
Spurious:	-70 dBc	
Harmonics (typ.) ⁽¹⁾ :	-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.):	+4.0V	

Input Frequency

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

DC Power

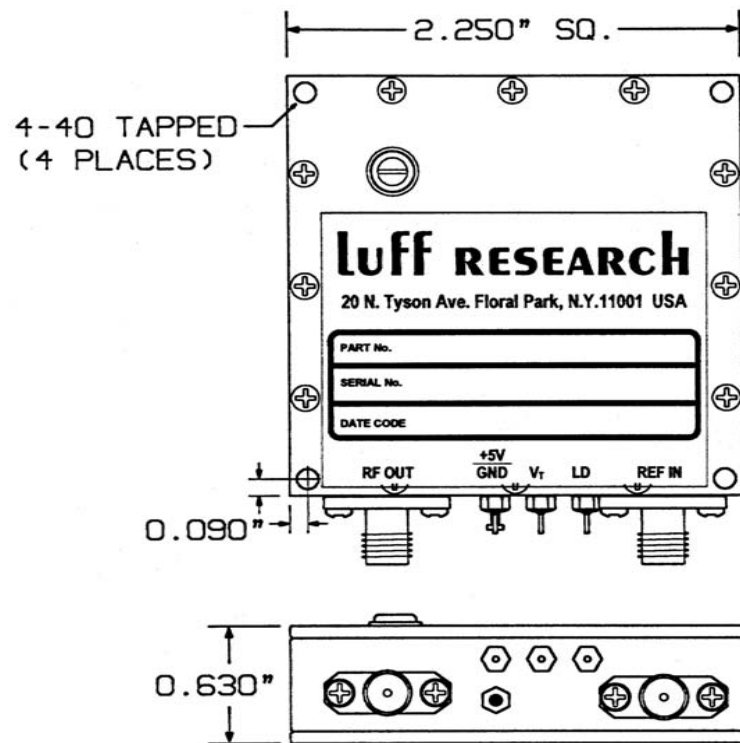
+5.0VDC (min.) +6VDC (nom.)	400 mA (max.)
Internal regulator	

Mechanical

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

Environment

Operating temperature range (surface) ⁽²⁾ :	-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) This unit is available with additional filtering (harmonics <-60dBc).
- (2) -40°C to +85°C temperature range is available

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PRODUCT DATA SHEET

Dual Loop Phase-Locked Dielectric
Resonator Oscillator

Model: DLPLO-10130-10-5

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