

SPECIFICATIONS

Output Frequency

Tuning range:	75 - 200 MHz	
Frequency step size:	125 kHz	
Frequency stability and accuracy:	Same as Input	
Phase noise in dBc/Hz (typ.):	L(100 Hz)	-80
	L(1 kHz)	-85
	L(10 kHz)	-90
	L(100 kHz)	-110
	L(1 MHz)	-130
Spurious:	-60 dBc	
Harmonics (typ.):	-15 dBc	
Power out (min.):	13 dBm	
Output power variation (freq. & temp.):	3 dB	
Load VSWR:	2:1	

Input Frequency

Input reference frequency:	10 MHz
Input ref. freq. level:	0 dBm \pm 3 dB

Frequency Tuning / Alarm

Frequency control:	Parallel Coded CMOS Input
Acquisition time (typ.):	10 msec
Phase-lock indicator:	High = Lock (open collector)

DC Power

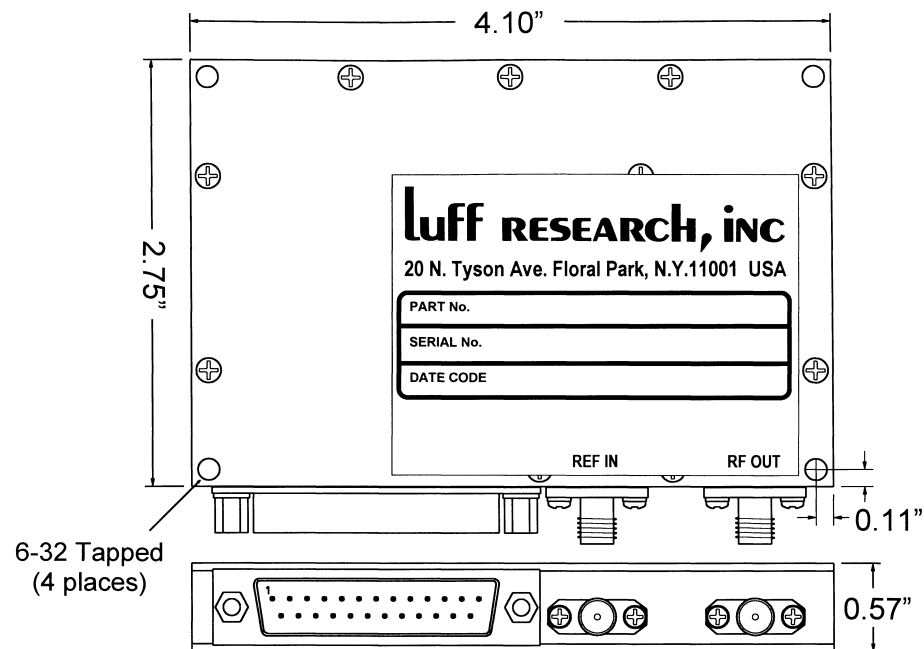
+15VDC	300 mA
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Mechanical

RF connectors:	2 SMA (F)
Digital & DC connection:	DB25 (M)

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. The stability of units with internal reference is \pm 1 PPM over the temperature range.
2. The Frequency adjustment is located on the bottom of the unit and is only applicable on units with internal reference.
3. The 'REF IN' connector is not provided on units with internal reference.

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PRODUCT DATA SHEET

SLSM2 FREQUENCY SYNTHESIZER

Model: SLSM2-00750200/125K

Rev. B

11/19/01