

**SPECIFICATIONS**

**Output Frequency**

Tuning range:	1000 - 2000 MHz	
Frequency step size:	1 kHz	
Freq. stability and accuracy (Ext. Ref):	Same as Input	
Freq. stability and accuracy (Int. Ref):	±1 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(100 Hz)	-70
	L(1 kHz)	-80
	L(10 kHz)	-85
	L(100 kHz)	-105
	L(1 MHz)	-130
Spurious (typ.):	-60 dBc	
Harmonics (typ.):	-20 dBc	
Power out (min.):	+13 dBm	
Output power variation (freq. & temp.):	2 dB	
VSWR:	2:1	

**Input Frequency**

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

**Frequency Tuning / Alarm**

Frequency control:	3 Wire Serial Input (TTL)
Acquisition time:	1 msec
Phase-lock indicator:	High = lock (TTL compatible)

**DC Power**

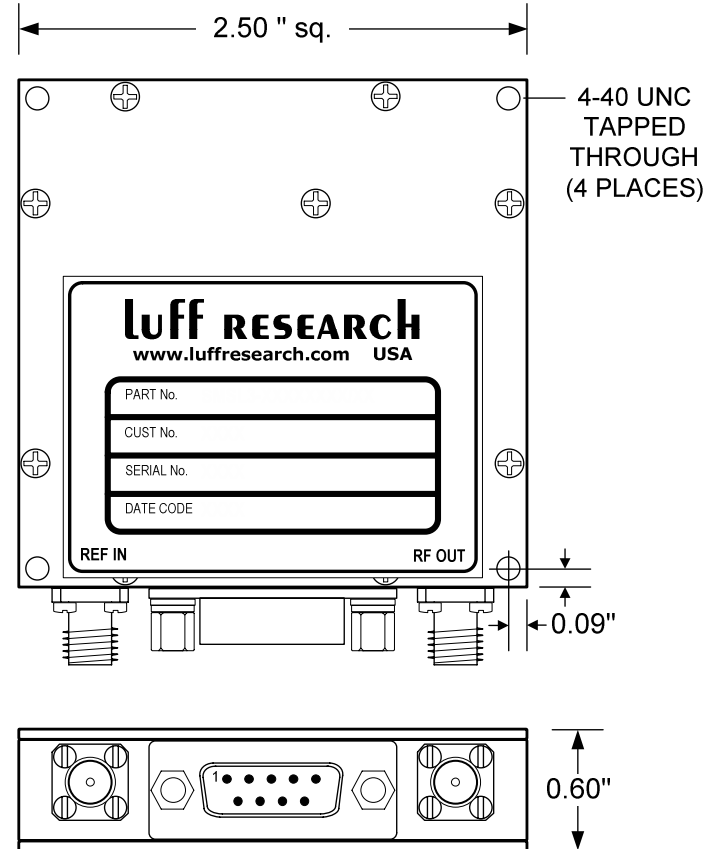
+5.2VDC (min.) to +6VDC (max.):	450 mA (max.)
Internal regulator	

**Mechanical**

RF connector:	SMA (F)
Digital & DC connection:	DB9 (M)

**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 unit are available with an internal TCXO. (Model No. SLSM4-10002000/1K/INT)
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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<b>PRODUCT DATA SHEET</b>		
<b>SLSM4 FREQUENCY SYNTHESIZER</b>		
Model: SLSM4-10002000/1K	Rev. B	03/11/08