

## SPECIFICATIONS

### Output Frequency

Tuning range:	10.4 - 10.6 GHz	
Frequency step size:	10 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(100 Hz)	-70
	L(1 kHz)	-80
	L(10 kHz)	-80
	L(100 kHz)	-90
	L(1 MHz)	-120
Spurious (max.):	-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 (typ.):	1 msec
Phase-lock indicator:	High = lock (TTL compatible)

### DC Power

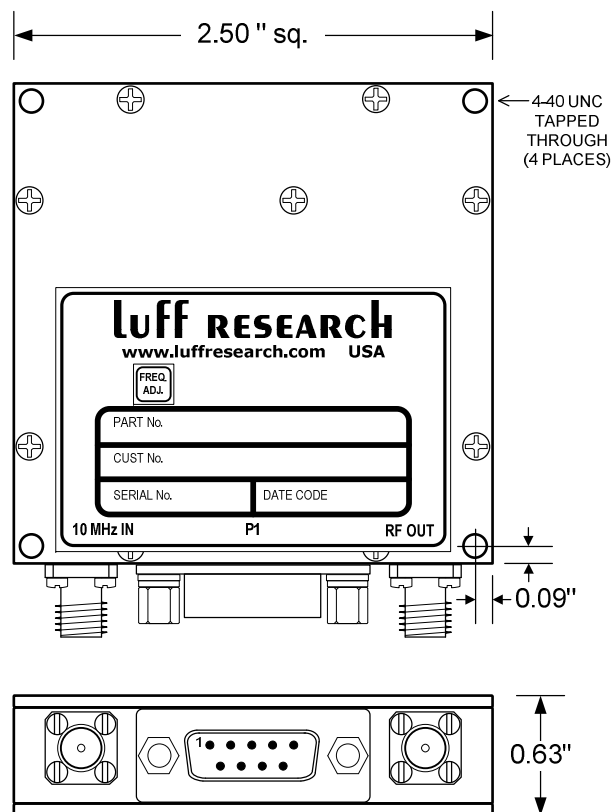
+5.2 Vdc (min.) to +6.0 Vdc (max.)	350 mA (max.)
Internal regulator	

### 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. SLSM3-1040010600-10M-INT)
2. The Frequency adjustment is located on the top 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.

<b>luff RESEARCH, inc.</b>		
FLORAL PARK, NY		
PHONE: (516) 358-2880 FAX: (516) 358-2757		
PRODUCT DATA SHEET		
SLSM3 FREQUENCY SYNTHESIZER		
Model: SLSM3-1040010600-10M		10/27/10