

SPECIFICATIONS

Output Frequency

Tuning range:	6500 - 7500 MHz
Frequency step size:	1 MHz
Frequency stability and accuracy:	Same as input
Phase noise in dBc/Hz (typ.):	L(100 Hz) -60
	L(1 kHz) -70
	L(10 kHz) -75
	L(100 kHz) -85
	L(1 MHz) -115
Spurious:	-60 dBc
Harmonics (typ.):	-20 dBc
Power out (min.):	+13 dBm
Output power variation (freq. & temp.):	2 dB (max)
Load VSWR:	2:1

Input Frequency

Input reference frequency:	10 MHz
Input level:	0 dBm \pm 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

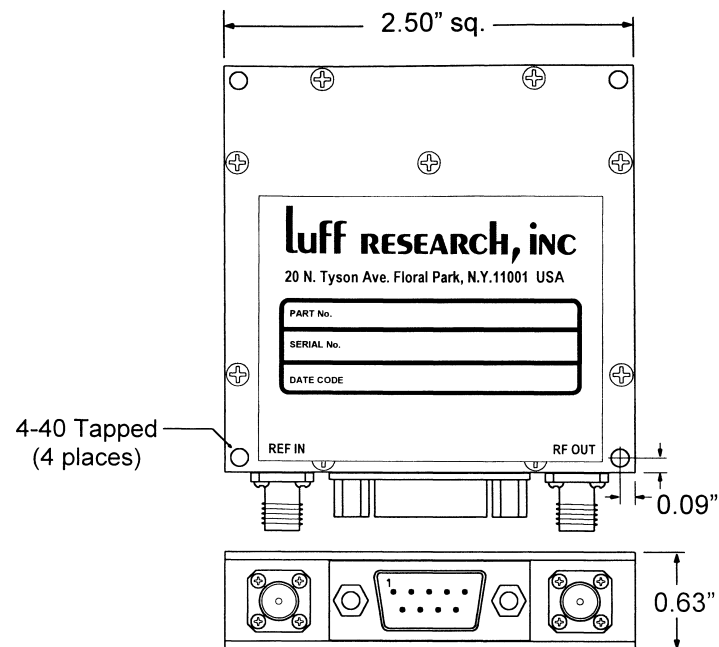
+5.2VDC (min.) to +6VDC (max.)	350 mA (max)
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Mechanical

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

Environment

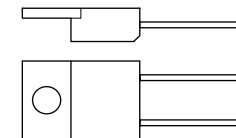
Operating temperature range (surface):	0°C to 60°C
Storage temperature range:	-40°C to 85°C
Relative humidity (non-condensing):	90%RH @ 40°
Shock:	30 G / 10msec
Vibration:	4 G / 20 Hz - 20 kHz



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.
4. Vcc is +5.2VDC **at the unit.**
A power dropping resistor will be supplied as required for a specific Vcc, upon request .

SUPPLIED DROPPING RESISTOR



CADDOCK ELECTRONICS, INC.
P/N: MP820 PACKAGE: TO-220

Luff RESEARCH, inc.

FLORAL PARK, NY

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

PRODUCT DATA SHEET

SLSM3 FREQUENCY SYNTHESIZER

Model: SLSM3-65007500/1M

Rev. A

06/09/03