

SPECIFICATIONS

Output Frequency

Tuning range:	940 - 2860 MHz
Frequency step size:	100 kHz
Frequency stability and accuracy (Ext ref):	Same as input
Frequency 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) -80 L(1 kHz) -90 L(10 kHz) -90 L(100 kHz) -100 L(1 MHz) -125
Spurious:	-60 dBc
Harmonics (typ.):	-20 dBc
Power out (min.):	+13 dBm
Output power variation (freq. & temp.):	2 dB
Load VSWR:	2:1

Input Frequency

Input reference frequency (note 1):	10 MHz
Input ref. freq. level:	0 dBm ±3 dB

Frequency Tuning / Alarm

Frequency control: (please specify)	Parallel BCD Coded CMOS Input or Serial RS-485
Acquisition time (typ.):	100 msec
Phase-lock indicator:	High = lock (open collector)

DC Power

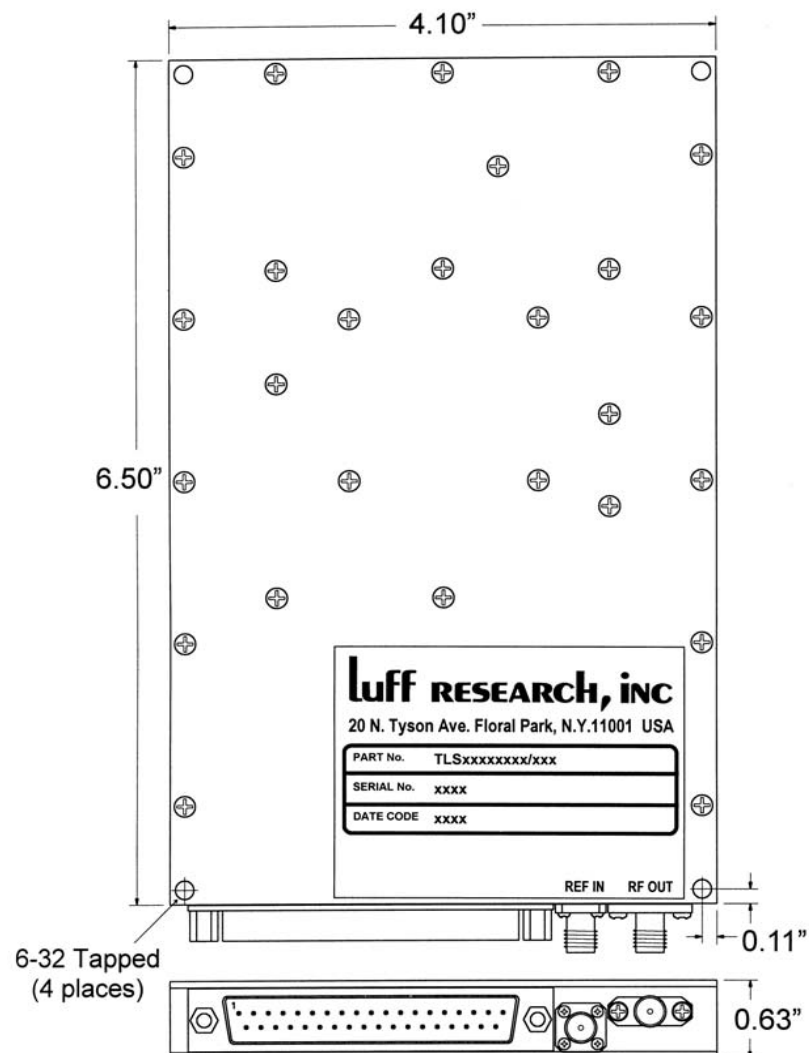
+5.2VDC (min) +7.0VDC (max)	800 mA (max)
+15.0VDC (min) +17.0VDC (max)	200 mA (max)

Mechanical

RF connectors:	SMA (F)
Digital & DC connection:	DB37 (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. This unit is available with internal reference. (TLS09402860/100K/INT)

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PRODUCT DATA SHEET		
TLS FREQUENCY SYNTHESIZER		
Model: TLS09402860/100K	Rev. C	07/07/07