

SPECIFICATIONS

Output Frequency

Tuning range:	1500 - 2100 MHz
Frequency step size:	500 kHz
Freq. stability and accuracy (Ext. Ref):	Same as Input
Phase noise in dBc/Hz (typ.):	L(100 Hz) -73 L(1 kHz) -83 L(10 kHz) -88 L(100 kHz) -105 L(1 MHz) -130
Spurious (max.):	-60 dBc
Harmonics (typ.):	-20 dBc
Power out (min.):	+10 dBm
Power variation (freq. & temp.) (max.):	2 dB
VSWR:	2:1

Input Frequency

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

Frequency Tuning / Alarm

Frequency control:	SPI (3V)
Acquisition time (typ.):	1 msec
Phase-lock indicator:	High = lock (CMOS 3V)

DC Power

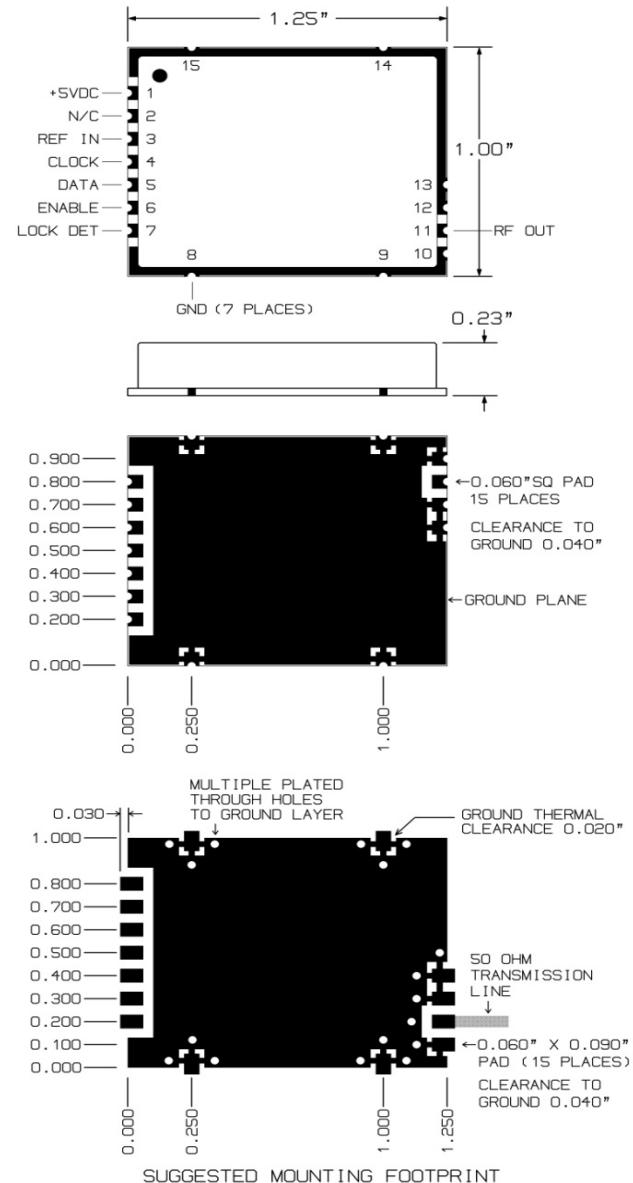
+5.0 Vdc (min.) to +5.25 Vdc (max.)	200 mA (max.)
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Mechanical

RF connector:	SMD
Digital & DC connection:	SMD

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



luff RESEARCH, inc.

FLORAL PARK, NY

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

PRODUCT DATA SHEET

SURFACE MOUNT FREQUENCY SYNTHESIZER

Model: SMS-15002100-500K

03/01/12