

SINGLE LOOP FAST SWITCHER FREQUENCY

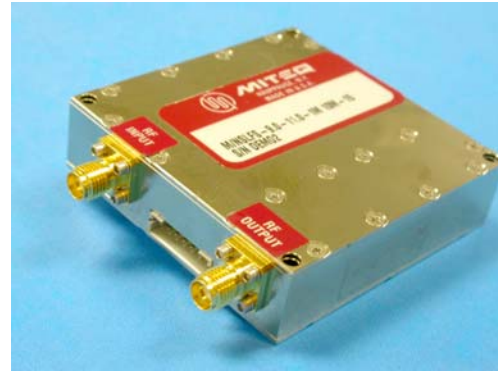
SLFS SERIES: .1 - 5 GHz (IN BAND S)

FEATURES

- Multi-octave in a single unit (<2 GHz)
- 1 MHz standard step size
- Custom Frequencies
- Small Package size

OPTIONS

- Custom frequency bands
- Custom packaging
- Optional Granule Step Size
- Fast switching option



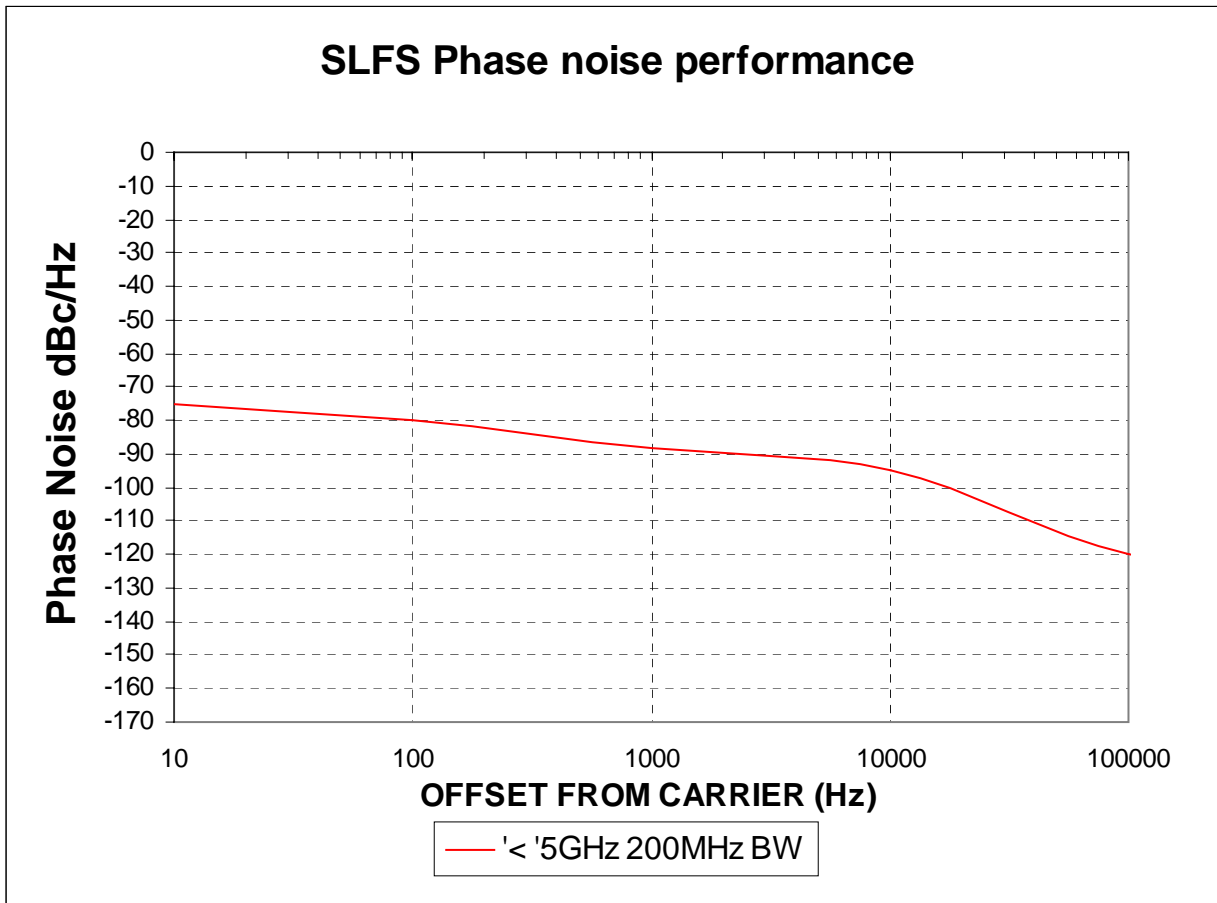
SLFS GUI INTERFACE (for serial programming):

Now available at <http://amps.miteq.com/Amps2007/synthesizers/SLFS-GUI.zip>

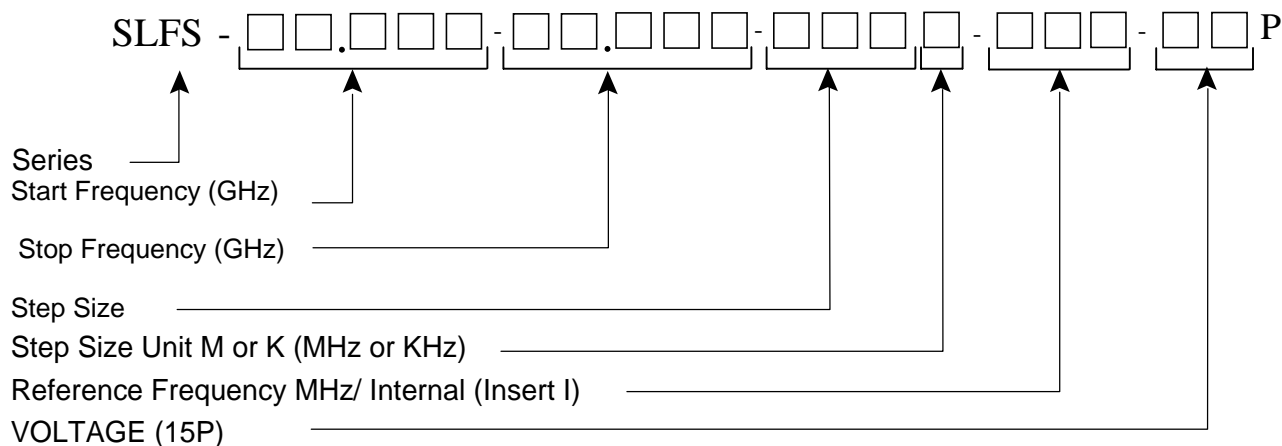
ELECTRICAL SPECIFICATIONS

OUTPUT FREQUENCY RANGE	.1 - 5GHz (250 MHz BW, Typical)
OUTPUT POWER	+13 dBm Minimum
OUTPUT POWER VARIATION	+/- 2 dB
FREQUENCY STEP SIZE	1MHz
REFERENCE FREQUENCY	10MHz (Internal reference available)
REFERENCE POWER	+/- 3dBm
HARMONIC	-20 dBc
SPURIOUS	-60 dBc
REGULATION	5%
NOISE AND RIPPLE	10 mV P-P maximum
PHASE ALARM	TTL High In Lock, Low Out of Lock
FREQUENCY CONTROL	Serial (3 WIRE) – 4 BIT Parallel Option
AQUISTION TIME(TIME TO PHASE LOCK)	100 mSec maximum
D.C. SUPPLY	+15 Vdc @ 350 mA
PHASE NOISE:	Typical
OFFSET	LEVEL
10Hz	-75
100Hz	-80
1KHz	-88
10KHz	-95
100KHz	-120
1MHz	-130

SINGLE LOOP FAST SWITCHER FREQUENCY SYNTHESIZER



ORDERING INFORMATION



EXAMPLE: Part Number SLFS – .10- 5.00 – 2M-10M-15P part number for frequency synthesizer covering .10 to 5.0 GHz with a step size of 2 MHz and a reference frequency of 10MHz.



