

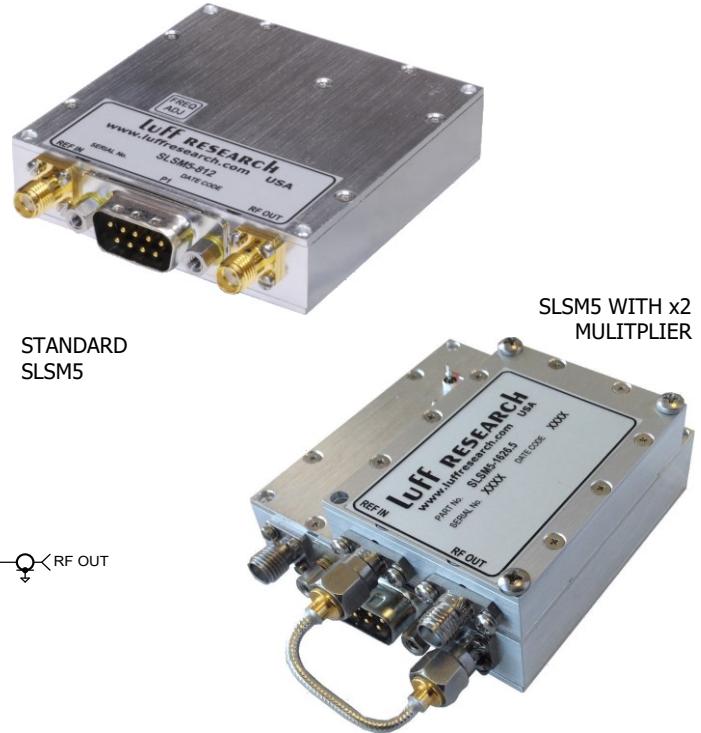
FREQUENCY SYNTHESIZERS

NOW TO 32 GHz

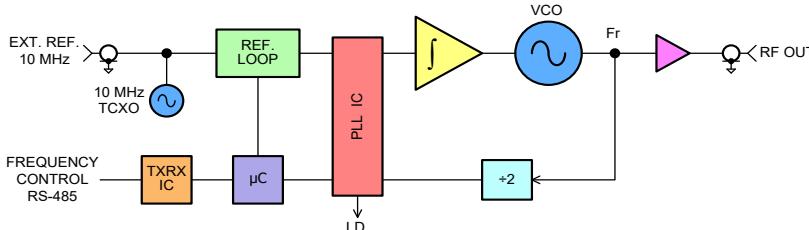


Model SLSM5 Features

- Output frequency to 32 GHz
- Low phase noise and spurious
- Frequency control via RS-485 interface
 - Multidrop bus configuration
 - Non-volatile memory
 - USB with optional adapter
- 10 MHz external or internal reference
- Low power +5 Vdc operation
- Miniature package
- Great value at low cost



Block Diagram



Description

The SLSM5 is a new synthesizer design which employs the latest fractional N technology to realize a miniature high performance frequency synthesizer.

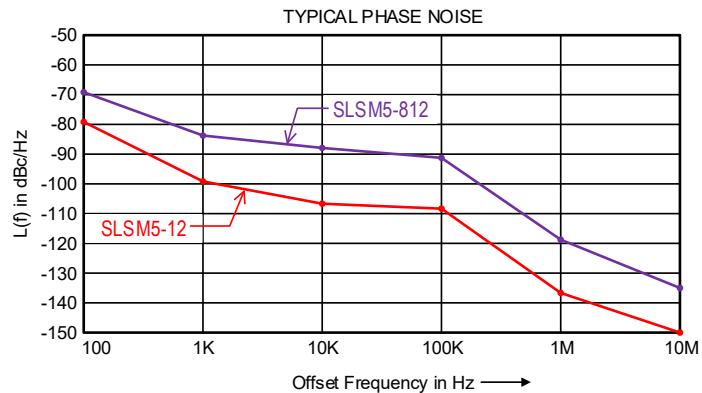
The SLSM5 is ideal for many applications in communications, radar and instrumentation. This

versatile synthesizer provides outstanding performance and reliability in a high quality incredibly compact unit.

The SLSM5 is system ready with a minimum of design integration needed. It comes with a custom GUI which allows virtually out of the box operation. Many of the SLSM5 synthesizers are available from stock.

Key Specifications

Standard Bands:	1-2 GHz – SLSM5-12
1 – 32 GHz	2-4 GHz – SLSM5-24
(Custom bands or std. octave bands)	1-4 GHz – SLSM5-14
	4-8 GHz – SLSM5-48
	8-12.5 GHz – SLSM5-812
	16-25 GHz – SLSM5-1625
	Custom – SLSM5-XXXX
Frequency Steps:	1 kHz
Spurious:	-60 dBc
Harmonics (typ.):	-20 dBc
Output Power (min.):	+13 dBm
Frequency Control:	RS-485
Switching Speed (typ.):	<5 msec.
External Reference:	10 MHz
Internal Reference:	±0.5 PPM (-10°C to +70°C)
Power Requirements:	+5.0 Vdc @ 650 mA
Temperature Range:	-10°C to +70°C
Size:	2.50" x 2.50" x 0.63"



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