

NEW! FREQUENCY SYNTHESIZERS

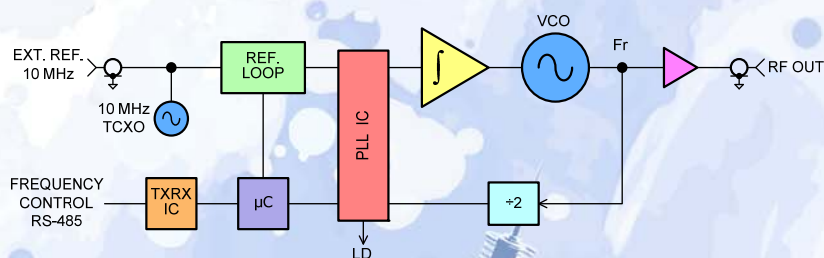
NOW TO 25 GHz

Model SLSM5 Features

- Output Frequency (Up to Octave Bands) to 25 GHz
- Low Phase Noise and Spurious
- Frequency Control via RS-485 Interface
- Multi Drop Configuration
- Non Volatile Memory
- 10 MHz External or Internal Reference
- +5.0 Vdc Operation, Low Power
- Miniature Assembly (2.5" X 2.5" X 0.6")
- 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.

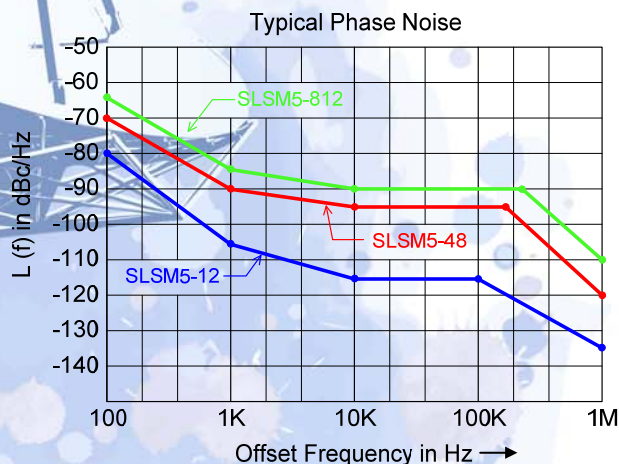
The SLSM5 is ideal for many applications in communications, radar and instrumentation. This versatile synthesizer provides outstanding

performance and reliability in a high quality incredibly compact unit.

This 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.

SLSM5 Key Specifications

Standard Bands:	Custom – SLSM5-XXXX
1 – 25 GHz	6.7-7.9 GHz – SLSM5-6779
(Custom bands or std. octave bands)	1-2 GHz – SLSM5-12
	2-4 GHz – SLSM5-24
	4-8 GHz – SLSM5-48
	8-12.5 GHz – SLSM5-812
	16-25 GHz – SLSM5-1625
Frequency Steps:	1 kHz
Spurious:	-60 dBc
Harmonics (typ.):	-20 dBc
Output Power (min.):	+13 dBm
Frequency Control:	RS-485
Switching Speed:	<5 msec.
External Reference:	10 MHz
Internal Reference:	±0.5 PPM (-10°C to +70°C)
Alarm:	Open Collector or TTL
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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