

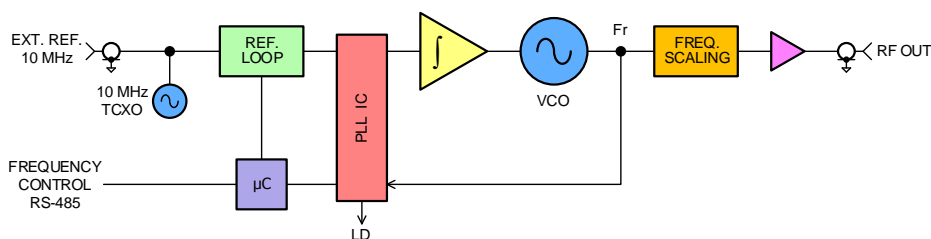
Model SLSM5-0520: Ultra Broadband Frequency Synthesizer

Features

- Output Frequencies from 500 MHz to 20 GHz
- Step Sizes – 1 kHz
- Frequency Control via RS-485 Interface:
 - Multi-Drop Bus Configuration
 - Non-Volatile Memory
 - USB w/ Optional Adapter
- Input Reference Frequency:
 - External Source (typ. 10 MHz) or Internal TCXO
- +5.0 VDC Operation/Low Power Design
- Great Value



Block Diagram



Description

The SLSM5 Frequency Synthesizer utilizes the latest Fractional N ($\div N$) technology to realize a compact high performance ultra-broadband frequency synthesizer. Our SLSM5-0520 can cover the entire 500 MHz to 20 GHz band. This SLSM5 is ideal for many applications ranging from test equipment to SATCOM applications. Our SLSM5's are system ready with minimal design integration required.

SLSM5-0520 Key Specifications

Output Frequency:	0.5 – 20 GHz
Spurious:	-60 dBc
Harmonics (typ.):	-15 dBc
Output Power (min.):	+12 dBm
Output Power Variation:	±3 dB
External Reference:	10 MHz
Internal Reference:	±0.5 PPM
Alarm:	Open Collector/TTL
Power Requirements:	+5.0 VDC @ 600 mA
Temp. Range:	0°C to +60°C

TYPICAL PHASE NOISE @ 10 MHz

