

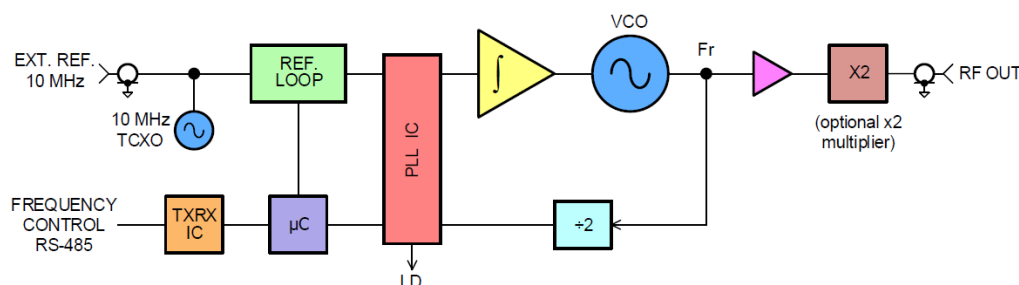
# Model SLSM5: Frequency Synthesizer

## Features

- Output Frequencies up to 34 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
- Low Phase Noise and Spurious
- Excellent Spectral Quality
- +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 frequency synthesizer. 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 Key Specifications

Output Frequency (in bands):	0.1 – 34 GHz
Spurious:	-60 dBc
Harmonics (typ.):	-17 dBc
Output Power (min.):	+13 dBm
Output Power Variation:	±2 dB
External Reference:	10 MHz
Internal Reference:	±0.5 PPM
Alarm:	Open Collector/TTL
Power Requirements:	+5.0 VDC @ 600 mA
Temp. Range:	-5°C to +65°C

SLSM5 TYPICAL PHASE NOISE @ 8 GHz

