



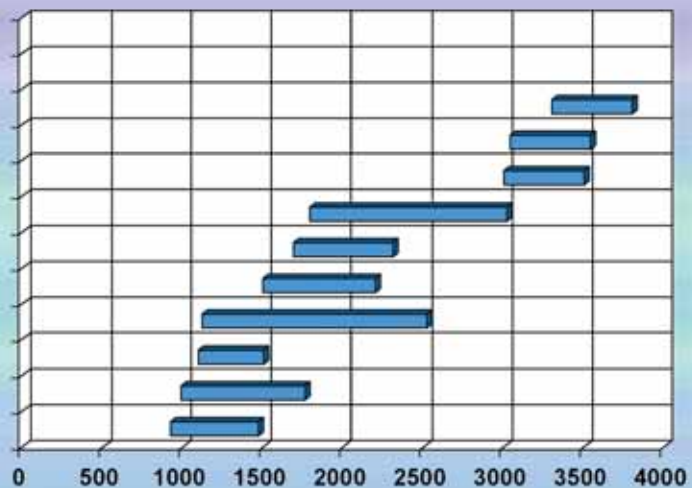
Synthesizer Capabilities

Mini-Circuits synthesizers have been designed-in to a variety of applications for a wide range of frequencies from 100MHz and up to 3.5 GHz for narrow-band, wide-band, and fixed-frequencies.

More than 150 models !!!

Features:

- Wide-band designs using an active loop filter
- Narrow-band designs with exceptional Phase Noise performance
- Narrow-band designs with excellent integrated Phase Noise performance at low channel spacing
- Designs with exceptional Discrete Spurious and Integrated Spurious performance
- Fast lock times, 50 to 150 microseconds
- Channel spacing from 5 KHz to 5 MHz
- Excellent Pulling performance for Frequency Hopping applications
- Fixed frequency synthesizers with internal microcontroller, eliminating the need for an external program control
- See the Table summarizing typical performance of various specific designs.



Connectorized Synthesizers:



- High Frequency : up to 4500MHz
- Programmable for Frequency Sweep or Working stand alone for fixed frequency
- New fixed frequencies can be burned more than 100K times in the micro-controller
- Internal Reference VCTCXO (Voltage Control Temperature Compensated Crystal Oscillator: Frequency Drift versus time is compensated with VControl)
- SPLO-1015-119: Can be suitable for 3 outputs with High Isolation between the outputs: > 60dB
- Small Size
- Low Cost