

Programmable frequency synthesizer

Speck offers Synthesizers with wide bandwidth, multiple step size options, fast switching speed, and low phase noise combined with the cost advantages of standardized packages. Frequency control options include Serial/parallel inputs, BCD/Binary format, or traditional thumbwheel switches.

These synthesizers feature rugged construction and the latest circuit techniques which makes them suitable for either military or commercial applications.

Speck also designs and manufactures custom Direct Digital Synthesizer signal sources from 10 MHz to 500 MHz. Our designs use an embedded microcontroller which digitizes the analog control voltage (or reads the digital tuning word), then calculates and loads proper control words into the registers of the DDS.

Features

- 10 MHz to 500 MHz output
- Exceptional Low phase noise
- Low spurious outputs
- Internal and external reference models
- Step Size typically 1 kHz to 10 MHz
- Parallel and serial control interfaces
- High reliability

