

For immediate release:

SignalCore Releases Two New Products



SignalCore 40 GHz Downconverter

The SC5320A is a Ka band single stage downconverter, with input RF range from 20 GHz to 40 GHz, external LO frequency range from 10 GHz to 20 GHz, output IF range from 100 MHz to 4 GHz, and 3 dB bandwidth of 2 GHz. This module features an internal synthesized local oscillator, selectable RF preamplifier, and variable gain control, making it a compact and versatile standalone downconverter module. With the option for an external LO, the SC5320A may be configured for SISO applications or paired together with multiple units for MIMO applications such as ground-based satellite communications, point-to-point radio, test instruments, and other rf measurement systems.



SignalCore nanoSynth[®] SMT Synthesizers

SignalCore continues to enlarge its nanoCircuits[®] platform with the introduction of 3 new synthesizers as part of the SMT nanoSynth[®] family. The SC801A and SC802A, part of our Hummingbird series, are fully integrated broadband CW signal synthesizers that tune at 1 Hz resolution between the range of 0.625 GHz to 10 GHz and 1.25 GHz to 20 GHz respectively. Built upon our proprietary low phase noise architecture, these synthesizers exhibit ultra-low phase noise of < -115 dBc/Hz @ 10 kHz for a 10 GHz carrier. Along with sweep and list mode functions, and small size of 2.5" x 1.75" x 0.31", these synthesizers are ideal building blocks for RF and microwave systems. These units require an external 200 MHz reference. We recommend using the SC803A, part of the Weebill reference source series.

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