TELETRONICS TECHNOLOGY CORPORATION

SK-10155 Datasheet

Multimode Waveform Generator

Features

- Clock and Data Input
- I and Q Output
- Easily Interfaces to Common Vector Signal Generators
- All RCC 106-04 Modulations
- Available User Defined Modulation
- RCC 106 Randomizer Included

Applications

- Receiver Testing
- Demodulator Testing
- Ground Station Verification
- Simulation
- Training

Description

The RF Networks part number SK-10155 is a self powered unit based on a board level implementation of highly integrated modulator baseband circuitry for PCM/FM, SOQPSK-TG and ARTM CPM. The unit is intended for bench/ground testing, demonstration of ARTM modulation waveforms or as practical circuit availability for testing the various characteristics of an RF carrier modulated using these modulation methods. Generating and providing quadrature baseband signals, the unit is intended to interface with commercial Vector Signal Generators (VSG), such as the Agilent E4432B, among others. With the unit interfaced with a VSG, all ARTM-compliant modulation waveforms are provided at the center frequency of the VSG. For example, using the E4432B VSG allows any ARTM modulation to be generated at 20 MHz, 70 MHz, L- or S- band, thus covering test capability for demodulators as well as receivers. Both the modulation type and scrambler selection are available on the front panel of the unit. BNC connectors for clock, data and the output I- and Q- channel outputs are also located on the front panel. The unit automatically adapts to the input rate and no user configuration is required.

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AS9100 ISO 9001 KEMA CERTIFICATE

Teletronics Technology Corporation
15 Terry Drive, Newtown, PA 18940
phone: 267.352.2020 fax: 267.352.2021 Sales@ttcdas.com
www.ttcdas.com