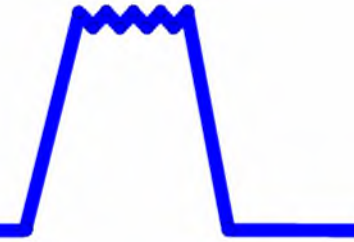


TELEMAKUS LLC



USB Products Overview

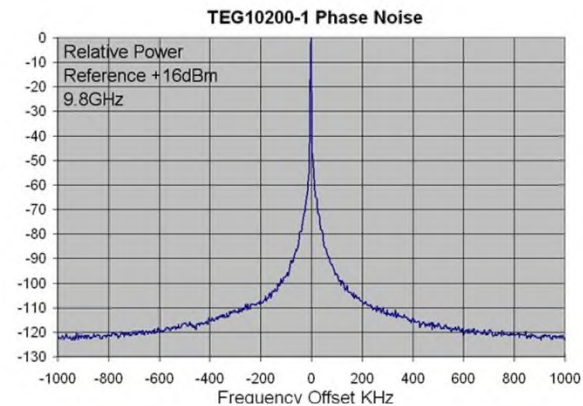
- Range of easy to use, low cost RF devices
- Power Sensors
- Synthesized Sources
- Switches
- Phase Shifters
- Digital Attenuators
- Vector Modulators
- Frequency Doublers
- Amplifiers



Synthesized RF Source



- 9.2-10.2GHz Range
- +15dBm Output
- -95dBc/Hz @ 100kHz



Synthesized MMW Source



- 24-26.5GHz Range
- +5dBm Output
- -85dBc/Hz @ 100kHz
- 2.9mm Female Connector (K)

RF Switch



- 0.1-3GHz Range
- 60dB isolation @ 1GHz
- Non-reflective
- All ports terminated mode

RF Switch



- 0.1-6GHz Range
- 30dB isolation @ 3GHz
- Reflective
- Pulse modulator mode

RF Step Attenuator



- .001-4GHz Range
- 31.75dB dynamic range
- 0.25dB step size

RF Step Attenuator



- 2.2-8GHz Range
- 31.5dB dynamic range
- 0.5dB step size

Vector Modulator



- 0.7-1GHz/1.8-2.7GHz Range
- 45dB dynamic range
- 12bit, 360° phase control

RF Amplifiers



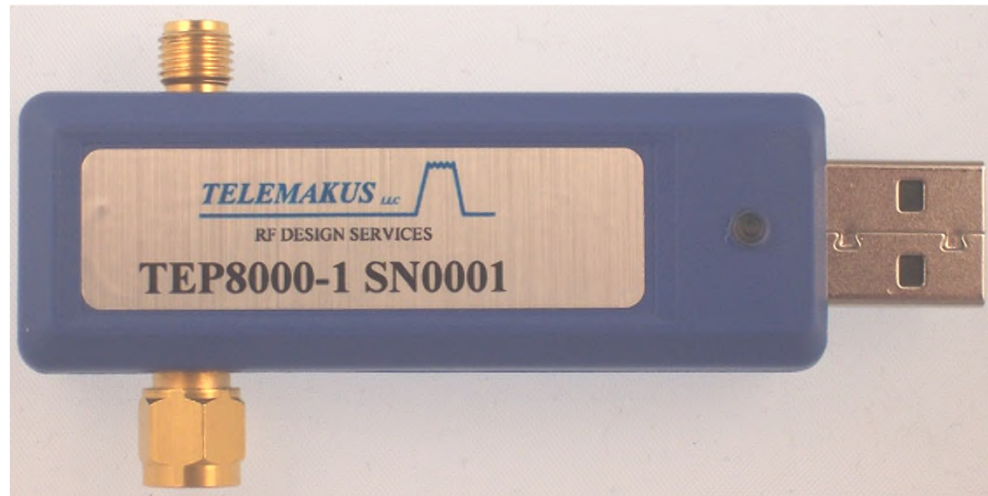
- 0.1-6GHz Range
- 15dB gain
- 17dBm P1dB

RF Power Sensor



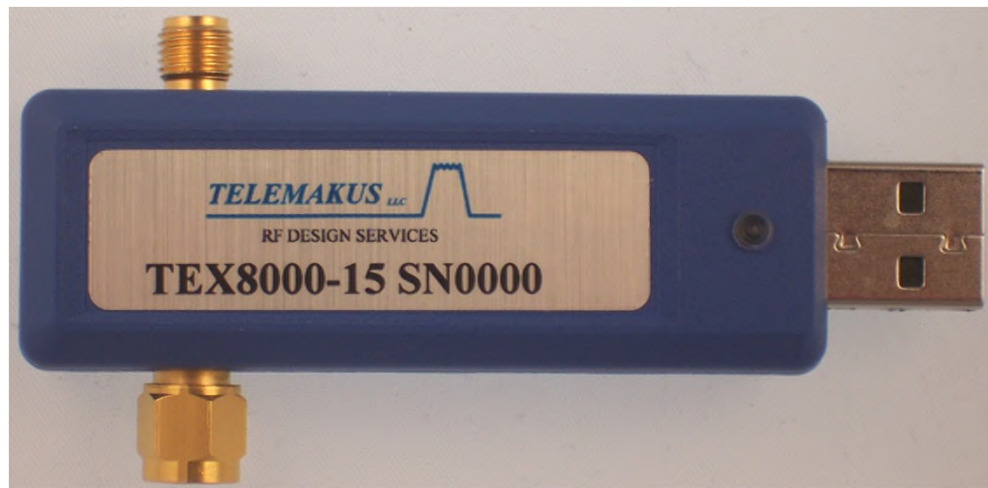
- 0.05-6GHz Range
- 45dB dynamic range
- 0.5dB accuracy

Phase Shifters



- Octave Wide Bands
- 400 ° Control range
- 0.5° Accuracy

Frequency Doubler



- 200MHz to 8GHz
- 0dBm input/ 15dBm Output
- Amplifier up to 4.5GHz
- Doubler from 4.5 to 8GHz
- Internal switch network

Wideband Source



- 200MHz to 4.0GHz
- +1dBm Output
- 1KHz Resolution
- -95dBc/Hz Phase Noise @4GHz
- Battery Power Option

User Interface

- USB 2.0
- Compatible with any XP, W7 or W8 OS
- Common driver for all product types
- Software loaded on device for easy install
- Manuals and product data on device
- Flash can also be used by user

Accessories



- Custom USB Extender Cables 3ft
- Custom 7 Port USB Hub to allow multiple devices to be used from a single USB port

Mechanical

- Common enclosure
- Only difference being number of RF connectors
- Common packaging
- Less than 1oz weight
- Cascadable

Future Products

- Product line extended as technology becomes available
- Switched Delay Lines
- RF Receivers 95dB dynamic range
- Addition of display for stand alone use