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SG30000 R2 – 30GHz LOW-NOISE WIDE-BAND MICROWAVE SIGNAL GENERATOR

Welcome to the industry standard for compact high-frequency automated signal generation!

2020 Device Features!

- Super wide output frequency range
- Single multi-band RF output port
- Powered from robust USB-C connector
- Front panel OLED display and buttons
- Full-band output level control to 30GHz
- Ultra low phase-noise and spurs
- Integrated RF power meter to 9GHz
- Higher output power than other models
- Ethernet port for easy network control
- Frequency sweeping with no PC
- Internal and external reference ports
- Simple PC control software included
- Internal harmonic filtering
- Compact Dimensions: 4.15” x 1.15” x 5.15”

Specifications:

- Frequency Range: 50MHz to **30GHz**
- Calibrated power output: -35 to **+15dBm**
- Uncalibrated output: -50 to +17dBm typical
- Frequency Band 1: 0.1 - 22Ghz (*calibrated*)
- Frequency Band 2: 22 - 30GHz
- Phase noise (6GHz): -95dBc @ 10KHz
- Phase noise (18GHz): -92dBm @ 10KHz
- Harmonics: < -15dBc typical
- Attenuator step size (digital): 0.50dB
- Attenuator (variable): ~15dB (10 bit DAC)
- Min frequency step size: 10Hz
- Input Voltage: 5V USB-C (1.5A)
- Reference input: 10MHz & 100MHz MCX
- Internal reference: 10MHz (±280 PPB)

Visit us for control software and tech support: www.dsinstruments.com/downloads/

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Thanks for your business!

ENGINEERED IN NEVADA