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SG30000L R4 – 30GHz LOW-NOISE WIDE-BAND MICROWAVE SIGNAL GENERATOR



The industry standard for affordable & compact high-frequency automated signal generation!



2023 Rev 4 Device Features!

- Ultra-wide output frequency range
- Calibrated power output
- Extremely affordable high-frequency design
- Powered from standard USB-C connector
- Front panel OLED display and buttons
- Ethernet port for easy network control
- Frequency sweeping with no PC
- Simple PC control software included
- Ultra-Compact Case: 2.75" x 1.15" x 5.15"

SG30000L Rev4 Performance Specifications:

- Frequency range: **14GHz to 30GHz** (Precision 2.92mm output port)
- Calibrated power output range: **-15dBm to +13dBm** (0.5dB steps & vernier)
- Uncalibrated power range: -25dBm to +15dBm (typical)
- Low phase-noise: **< -90dBc** (10KHz offset @ 30GHz)
- Typical harmonic levels: **< -15dBc**
- Small frequency step size: 2Hz
- Attenuator step size (digital): 0.50dB
- Vernier variable attenuator resolution: ~0.1dB
- Input voltage: 5V-1.75A USB-C (No extra DC adapter required)
- Low-noise internal reference (± 280 PPB 10MHz)
- External reference input: 10MHz MCX Connector



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