



DS INSTRUMENTS

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SG12000 – 12GHz COMPACT WIDEBAND MICROWAVE SIGNAL GENERATOR

REV12+



Welcome to the industry standard for low-cost, high-frequency automated signal generation!

2018 New Features!

- More robust USB-C connector
- Power calibration improvements
- Optimized internal firmware
- RF-OFF state signal leakage reduced
- Step attenuator added to band 2
- USB low-voltage warning
- Optional Ethernet connection (Model E)
- Internal design improvements



Specifications:

- Frequency Range: 25-12000 MHz
- Calibrated power output (-20 to +10dBm)
- Phase Noise (12GHz): -68dBc @ 10KHz
- Harmonics: < -12dBc typical
- Attenuator (digital): 64x 0.5dB Steps
- Attenuator (variable): ~15dB (10 bit DAC)
- Dimensions: 2.75" x 1.25" x 3.15"
- Min frequency step size: 80Hz – 5KHz
- Input Voltage: 5V USB-C
- Output Impedance: 50 Ohm
- RF Connectors: Microwave SMA
- Reference input: 10MHz MCX
- Internal reference: 10MHz (± 280 PPB)
- Device Mass: 150g

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



Please see the datasheet for more information.

Thanks for your business!

