



DS INSTRUMENTS

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SG6000LDQ – COMPACT WIDEBAND MICROWAVE SIGNAL GENERATOR

REV12+



Welcome to the industry standard for compact 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
- Lower USB power usage
- USB low-voltage warning
- Optional Ethernet connection (LDQE)
- Internal design improvements



Specifications:

- Frequency Range: 25-22000 MHz
- Calibrated power output (-20 to +10dBm)
- Phase Noise (6GHz): -74dBc @ 10KHz
- Harmonics: < -12dBc typical
- Attenuator (digital): 64x 0.5dB Steps
- Attenuator (variable): ~20dB (10 bit DAC)
- Dimensions: 2.75" x 1.25" x 3.15"
- Min frequency step size: 40Hz – 3KHz
- Input Voltage: 5V USB-C
- Output Impedance: 50 Ohm
- RF Connectors: 2X Microwave SMA
- Reference input: 10MHz MCX
- Internal reference: 10MHz (± 280 PPB)

Visit us for control software and tech support: <https://www.dsinstruments.com/documents/>

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Please see the datasheet for more information.

Thanks for your business!

