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SG40000PRO – 0.1 TO 40GHz LOW-NOISE WIDE-BAND MICROWAVE GENERATOR

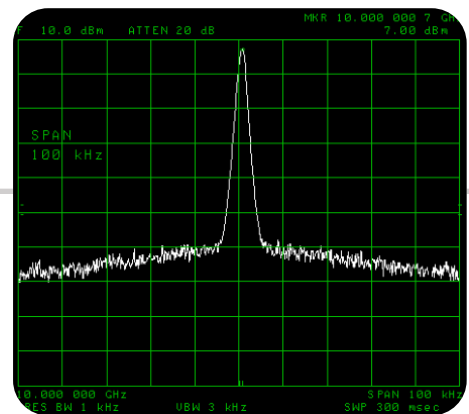


2023 REV 2 Product Features!

- Ultra-stable **oven-controlled** reference
- Dual USB-C inputs for power flexibility
- Internal harmonic filtering
- Full-band power output calibration
- Full-band output level control to 40GHz
- MCX sweep trigger input
- High maximum output power
- Low spurious content
- Ethernet port for remote operation
- Ultra-wide output frequency range
- High band output port: **26.5-40 GHz** (2.92mm)
- Low band output port: **0.1-26.5GHz** (SMA)
- Front panel OLED display and buttons
- Ultra-low phase-noise and spurs
- Active thermal management
- Frequency sweeping with no PC
- Internal and external reference ports
- Simple PC control software included

Rev2 Device Specifications:

- Frequency range: 100MHz to **40GHz**
- Calibrated output (0-26.5GHz): **-25 to +15dBm**
- Calibrated output (26.5-40GHz): **-15 to +15dBm**
- Uncalibrated output: -30 to +16dBm typical
- Phase noise (20GHz): -95dBc @ 10KHz
- Phase noise (40GHz): -90dBm @ 10KHz
- Harmonics: < -20dBc typical
- Internal harmonic filtering (4GHz – 40GHz)
- Attenuator step size (digital): 0.50dB
- Variable attenuator resolution: 0.05dB typ.
- Frequency step size: 2Hz
- Reference input: 10MHz & 100MHz MCX
- Internal reference: 10MHz (**±10 PPB**)
- Dimensions: 4.15" x 1.15" x 5.15"



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