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Data Sheet

August 3, 2026

KEYSIGHT

Keysight N5183M RF Analog Signal Generator 100 KHz – 20 GHz

Keysight N5183M RF Analog Signal Generator 100 kHz to 20 GHz The Keysight N5183M is an MXG microwave analog signal generator optimized for broadband component manufacturing. Base coverage is 100 kHz to 20 GHz (higher microwave options to ~30/32/40 GHz available on related MXG microwave configurations). It emphasizes fast frequency switching ($\leq 900 \mu\text{s}$; $\leq 600 \mu\text{s}$ typical), high output power (e.g. +18 dBm at 20 GHz class), and compact 2RU form with LAN/USB/GPIB. Antenna test and manufacturing; LO substitution; CW interferer; analog modulation for device characterization; broadband stimulus to 20 GHz and beyond with options. The Keysight N5183M is an MXG microwave analog signal generator optimized for broadband component manufacturing. Base coverage is 100 kHz to 20 GHz (higher microwave options to ~30/32/40 GHz available on related MXG microwave configurations). It emphasizes fast frequency switching ($\leq 900 \mu\text{s}$; $\leq 600 \mu\text{s}$ typical), high output power (e.g. +18 dBm at 20 GHz class), and compact 2RU form with LAN/USB/GPIB. Antenna test and manufacturing; LO substitution; CW interferer; analog modulation for device characterization; broadband stimulus to 20 GHz and beyond with options.

No photo

MODEL Keysight N5183M	CALIBRATION N/A — off-catalog OEM datasheet
CONDITION See OEM documentation	STATUS Not listed on Aumictech inventory
RFQ / SKU N5183M	LISTING Off-catalog — OEM dat asheet only

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

Features & description

From manufacturer datasheet

Features

- Frequency: 100 kHz to 20 GHz (base configuration as listed)
- Switching: $\leq 900\ \mu\text{s}$ ($\leq 600\ \mu\text{s}$ typical)
- Phase noise: $\approx -98\ \text{dBc/Hz}$ typical at 20 kHz offset (class)
- Output power: +18 dBm at 20 GHz class
- Analog modulation options: AM/FM/ Φ M (UNT); narrow pulse (UNW)
- Interfaces: 100BaseT LAN, USB 2.0, GPIB; LXI; SCPI/IVI
- Backward compatible command sets with PSG/8360/8370 families (related MXG microwave)

N5183M Characteristics / Specifications

PARAMETER	VALUE
Model	N5183M
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	MXG Microwave Analog Signal Generator
Alias	N5183M; Keysight N5183M MXG Frequency
Range (this listing)	100 kHz to 20 GHz
Switching Speed	≤900 μs (≤600 μs typical) RF Performance (published class values)
Phase Noise	≈ -98 dBc/Hz typical at 20 kHz offset (class)
Output Power	+18 dBm at 20 GHz (class / option dependent) Modulation / Options (examples from N5183M listings)
UNT	AM, FM, phase modulation
UNW	Narrow pulse modulation 1E1: Step attenuator; 1EA: High output power 1ER: Flexible reference input (1–50 MHz) Remote LAN, USB 2.0, GPIB; SCPI; IVI-COM; LXI Operational Notes Do not auto-match to N5183A/B catalog siblings without option confirmation. Prefer N5183M/N5183A MXG microwave documentation for warranted power and spectral purity tables for the installed options.
Frequency	100 kHz to 20 GHz (base configuration as listed)
Switching	≤900 μs (≤600 μs typical)
Analog modulation options	AM/FM/ΦM (UNT); narrow pulse (UNW)
Interfaces	100BaseT LAN, USB 2.0, GPIB; LXI; SCPI/IVI

N5183M Specifications

PARAMETER	VALUE
Key Features	- Frequency: 100 kHz to 20 GHz (base configuration as listed)
Technical Specifications	Model: N5183M
RF Performance (published class values)	Phase Noise: ≈ -98 dBc/Hz typical @ 20 kHz offset
Remote	LAN, USB 2.0, GPIB; SCPI; IVI-COM; LXI

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications

Specifications

PARAMETER	VALUE
Model	N5183M
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	MXG Microwave Analog Signal Generator
Alias	N5183M; Keysight N5183M MXG

Frequency

Range (this listing): 100 kHz to 20 GHz

Optional higher bands: 30/32/40 GHz class on related MXG microwave option sets—confirm installed options

Switching Speed: ≤900 μs (≤600 μs typical)

RF Performance (published class values)

Phase Noise: ≈ -98 dBc/Hz typical @ 20 kHz offset

Output Power: +18 dBm at 20 GHz (class / option dependent)

Modulation / Options (examples from N5183M listings)

UNT: AM, FM, phase modulation

UNW: Narrow pulse modulation

1E1: Step attenuator; 1EA: High output power

1ER: Flexible reference input (1–50 MHz)

Remote

LAN, USB 2.0, GPIB; SCPI; IVI-COM; LXI

Operational Notes

Do not auto-match to N5183A/B catalog siblings without option confirmation. Prefer N5183M/N5183A MXG microwave documentation for warranted power and spectral purity tables for the installed options.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.