

# Keysight N5183A MXG Microwave Analog Signal Generator

Frequency ranges: 100 kHz to 20, 32 or 40 GHz

The MXG microwave analog signal generator provides better value for manufacturing by increasing throughput, maximizing uptime and saving rack space. It delivers fast frequency and amplitude switching speeds along with power and excellent level accuracy. The reliable design, with simplified self-maintenance options, ensures a low cost of ownership.



## Ideal for

- Broadband component manufacturing
- Radar/military communications
- System depot test

## Applications include

- LO substitution
- Blocker/interferer signals
- Transmitting source for antenna test

## Option upgrades via LAN

- Fast switching frequency and amplitude switching
- High power (+18 dBm to 3.2 to 20 GHz)
- AM, FM, phase modulation
- Pulse modulation
- Instrument security

Model	RF connectors
<b>Frequency options</b>	
520	Frequency coverage to 20 GHz
532	Frequency coverage to 32 GHz
540	Frequency coverage to 40 GHz
<b>Optional features</b>	
1E1	Step attenuator
1ED	Type N RF output connector
1EA	High power
1EM	Rear panel connectors
UNT	Analog mod (AM/FM/phaseM)
UNU	Pulse modulation
UNW	Narrow pulse modulation
UNZ	Fast switching speed
1ER	Flexible ref input (1 to 50 MHz)
006	Instrument security
<b>Connectivity accessories</b>	
82357B	USB/GPIB interface
10833A/B/C/D/F/G	GPIB cable
82350B	PCI high-performance GPIB card
82351A	PCIe-GPIB interface card

Benefits	Feature
Throughput	<ul style="list-style-type: none"> <li>– Fast frequency and amplitude switching speed (&lt; 900 <math>\mu</math>s, 600 <math>\mu</math>s typ)</li> <li>– Excellent power and level accuracy</li> </ul>
Uptime	<ul style="list-style-type: none"> <li>– Reliable design with few assemblies</li> <li>– 100% internal diagnostics</li> <li>– 100% field-replaceable parts</li> <li>– Self-service kits with pre-calibrated assemblies</li> </ul>
Scalable performance	Add performance options using license key downloads via LAN
Connectivity	<ul style="list-style-type: none"> <li>– 100 bT LAN</li> <li>– USB 2.0 connectors</li> <li>– GPIB interface</li> </ul>



N5183A works with Keysight U2000 series USB power sensors to provide high accuracy power measurements

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