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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight M9384B VXG Microwave Signal Generator

Keysight M9384B VXG Microwave Signal Generator The Keysight M9384B VXG is a microwave vector signal generator covering 1 MHz to 44 GHz with up to 2 GHz internal RF modulation bandwidth per channel and multi-channel phase-coherent configurations for wideband wireless and aerospace test. 5G/6G wideband waveform generation, radar and EW emulation, multi-antenna MIMO/beamforming stimulus, and microwave component characterization to 44 GHz. Frequency options to 14 20 31.8 and 44 GHz The Keysight M9384B VXG is a microwave vector signal generator covering 1 MHz to 44 GHz with up to 2 GHz internal RF modulation bandwidth per channel and multi-channel phase-coherent configurations for wideband wireless and aerospace test. 5G/6G wideband waveform generation, radar and EW emulation, multi-antenna MIMO/beamforming stimulus, and microwave component characterization to 44 GHz. Frequency options to 14 20 31.8 and 44 GHz Up to 2 GHz modulation bandwidth per channel with internal baseband



MODEL

**Agilent / Keysight
M9384B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

M9384B

LISTING

<https://aumictechlabs.com/products/m9384b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight M9384B VXG is a microwave signal generator delivering frequency coverage from 10 MHz to 44 GHz with output power up to +20 dBm. Built for RF and microwave test environments, it combines phase noise performance with advanced modulation capability and real-time waveform streaming. The instrument excels in characterizing complex wireless systems, radar platforms, and satellite communications links while maintaining exceptional signal purity across demanding 5G, defense, and aerospace applications.

Technical Specifications

Frequency & Power Frequency range: 10 MHz to 44 GHz Output power: Up to +20 dBm (nominal) Output power flatness: Typically ± 1.0 dB across specified frequency ranges Frequency step size: 0.001 Hz minimum Signal Quality Phase noise: Typically below -130 dBc/Hz at 1 GHz offset (10 GHz carrier) Harmonic distortion: Typically better than -40 dBc Non-harmonic spurious: Typically better than -60 dBc

Modulation & Waveforms Supported formats: AM, FM, PM, Pulse Modulation (analog and digital) Instantaneous bandwidth: Up to 2 GHz for complex modulation Digital modulation EVM: Typically below 1% for standard formats Real-time waveform streaming with internal AWG ACLR performance suitable for 5G NR standards

Switching Performance Settling time: Typically less than 500 ms for frequency and amplitude changes High-speed frequency and power level switching

Key Features N-type or 3.5 mm RF output connector Ethernet, USB, and GPIB control interfaces BNC trigger I/O for external synchronization Digital I/O for equipment control Excellent spectral purity for sensitive receiver validation

Typical Applications 5G wireless communication testing Radar system characterization Satellite communications validation Complex receiver sensitivity measurements Wideband modulation scheme development

Compatibility & Integration Ethernet enables remote operation and data transfer. USB supports firmware updates. GPIB integration accommodates legacy test systems. External triggering via BNC connectors synchronizes with automated test sequences.

M9384B Characteristics / Specifications

PARAMETER	VALUE
Model	M9384B
Instrument Type	VXG microwave vector signal generator
Frequency Range Minimum	1 MHz
Frequency Range Maximum Option F	44 GHz
Frequency Option F	1 MHz to 31.8 GHz
Modulation Bandwidth Internal Class	up to 2 GHz per channel
Modulation Bandwidth Bonded Class	up to 4 GHz with channel bonding
External IQ Bandwidth Class	over 2 GHz RF modulation bandwidth
Channel Count Class	up to 2 channels in one box for M9384B family
Phase Noise Class At 1 GHz 20 kHz Offset	about -137 dBc/Hz class published VXG summary
RF Output Control	CW frequency and total power RMS coupled GUI controls
Connector Class F14/F	APC 3.5 mm male
Connector Class F32/F	2.4 mm male
Architecture	dual channel capable VXG microwave platform
Baseband	internal wideband baseband generator
Control	PathWave / VXG multi-touch UI and SCPI class
Primary Role	wideband microwave vector stimulus
Sibling Module Class	M9383B VXG-m
External IQ Inputs	supported for wider bandwidth
Phase Coherence Class	multi channel synchronized operation
Bandwidth	Internal Class: up to 2 GHz per channel

M9384B Specifications

PARAMETER	VALUE
Keysight M9384B VXG Microwave Signal Generator	Overview
Key Features	Frequency options to 14 20 31.8 and 44 GHz
Dual channel configurations with phase coherence	Low phase noise microwave synthesizer architecture
Technical Specifications	Model: M9384B
Notes	Numeric rows from Keysight VXG Series datasheet summary and M9384B configuration guide frequency/bandwidth options.

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	M9384B
Instrument Type	VXG microwave vector signal generator
Frequency Range Minimum	1 MHz
Frequency Range Maximum Option F44	44 GHz
Frequency Option F14	1 MHz to 14 GHz
Frequency Option F20	1 MHz to 20 GHz
Frequency Option F32	1 MHz to 31.8 GHz
Modulation Bandwidth Internal Class	up to 2 GHz per channel
Modulation Bandwidth Bonded Class	up to 4 GHz with channel bonding
External IQ Bandwidth Class	over 2 GHz RF modulation bandwidth
Channel Count Class	up to 2 channels in one box for M9384B family
Phase Noise Class At 1 GHz 20 kHz Offset: about -137 dBc/Hz class published VXG summary	
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RF Output Control	CW frequency and total power RMS coupled GUI controls
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Architecture	dual channel capable VXG microwave platform
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External IQ Inputs	supported for wider bandwidth
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Notes	
Numeric rows from Keysight VXG Series datasheet summary and M9384B configuration guide frequency/bandwidth	

options.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

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

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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.