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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N5252A 10MHz to 50GHz Pna-x network analyzer

Phase Stability Typical: 2 deg typical (S11, S22) Extenders: N5252AW12 60-90 GHz mm-wave frequency extenders Pxie Example Host: M9374A PXIe VNA in M9005A chassis with integrated system module Host Computer: tower PC with PCIe slot for MDX interface (PXIe configuration) Extenders: N5252AW12 60-90 GHz mm-wave frequency extenders Pxie Example Host: M9374A PXIe VNA in M9005A chassis with integrated system module Host Computer: tower PC with PCIe slot for MDX interface (PXIe configuration) Related Systems: N5253E1, N5253E2, N5253E3 E-band bundles



MODEL

**Agilent / Keysight
N5252A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5252A

LISTING

<https://aumictechlabs.com/products/n5252a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N5252A is a network analyzer that provides performance in characterizing RF and microwave devices. With its advanced error correction techniques and wide dynamic range, it ensures accurate and reliable measurements. The N5252A supports a variety of measurement applications, including amplifier testing, filter characterization, and antenna measurements. Its intuitive user interface and comprehensive software tools simplify complex measurements and data analysis.

N5252A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	E-band vector network analyzer system
Series Family	Keysight N5252A / N5253E
Frequency Range	60 to 90 GHz
Waveguide Band	WR12
Dynamic Range Minimum	100 dB at 10 Hz IF bandwidth (S12, S21)
Dynamic Range Typical	110 dB at 10 Hz IF bandwidth
Test Port Power Minimum	plus 10 dBm
Test Port Power Typical	plus 13 dBm
Magnitude Stability Typical	0.15 dB typical (S11, S22)
Phase Stability Typical	2 deg typical (S11, S22)
Extenders	N5252AW12 60-90 GHz mm-wave frequency extenders
Pxie Example Host	M9374A PXIe VNA in M9005A chassis with integrated system module
Host Computer	tower PC with PCIe slot for MDX interface (PXIe configuration)
Related Systems	N5253E1, N5253E2, N5253E3 E-band bundles
Calibration	system includes calibration kits in the bundle definition
Documentation	Keysight N5252A and N5253E E-Band VNA Systems User's Guide 9018-04772
Alternative Hosts	Streamline USB VNA or PXIe VNA with 2-port test-set adapter for standard VNAX extenders
Measurement	S-parameters S11, S21, S12, S22
Form Factor	bundled VNA plus waveguide frequency extenders
If Bandwidth For Dr Spec	10 Hz
Band	E-band 60-90 GHz

N5252A Specifications

PARAMETER	VALUE
Applications	E-band (WR12) S-parameter characterization of mmWave radios, antennas, and components from 60 to 90 GHz.
Key Features	Turnkey 60-90 GHz WR12 extenders N5252AW12
PXIe M9374A in M9005A chassis configuration	Typical 110 dB dynamic range at 10 Hz bandwidth
Technical Specifications	Instrument Type: E-band vector network analyzer system

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	
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Instrument Type	E-band vector network analyzer system
Series Family	Keysight N5252A / N5253E
Frequency Range	60 to 90 GHz
Waveguide Band	WR12
Option 200: 2-port E-band (60-90 GHz) system	
Option 400: 4-port E-band (60-90 GHz) system	
Specifications	
PARAMETER	VALUE
Dynamic Range Minimum	100 dB at 10 Hz IF bandwidth (S12, S21)
Dynamic Range Typical	110 dB at 10 Hz IF bandwidth
Test Port Power Minimum	plus 10 dBm
Test Port Power Typical	plus 13 dBm
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Band	E-band 60-90 GHz

Notes

Numeric rows from Keysight N5252A and N5253E E-Band Vector Network Analyzer Systems User's Guide (60-90 GHz, 100/110 dB DR at 10 Hz IFBW, plus 10/13 dBm port power, 0.15 dB / 2 deg stability). Exact uncertainty after calibration is in the banded millimeter-wave technical overview for the installed VNA.

Ordering Information

OPTION	DESCRIPTION
Option 200	two-port or Option 400 four-port 60-90 GHz systems, minimum 100 dB (typical 110 dB) dynamic range at 10 Hz IFBW, and minimum plus 10 dBm (typical plus 13 dBm) t

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

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.