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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N5256BW12 VNA Frequency Extension Module, 60 to 90 GHz

Agilent Keysight N5256BW12 VNA Frequency Extension 60 to 90 GHz The Keysight N5256BW12 isaWR12 (E-band) VNAX mini frequency-extension module covering 60 to 90 GHz (55 to 95 GHz extended). OEM Banded Millimeter Wave Network Analysis technical overview lists plus 18 dBm typical test-port power, 30 dB directivity, 120/110 dB typical/minimum dynamic range at 10 Hz IFBW on PNA/PNA-X with N5262BWxx, and plus or minus 0.1 dB / 1.5 deg typical stability. E-band waveguide S-parameters, power sweep, and antenna measurements from 60 to 90 GHz with PNA/PNA-X, Streamline, or PXI VNAs. The Keysight N5256BW12 isaWR12 (E-band) VNAX mini frequency-extension module covering 60 to 90 GHz (55 to 95 GHz extended). OEM Banded Millimeter Wave Network Analysis technical overview lists plus 18 dBm typical test-port power, 30 dB directivity, 120/110 dB typical/minimum dynamic range at 10 Hz IFBW on PNA/PNA-X with N5262BWxx, and plus or minus 0.1 dB / 1.5 deg typical stability. E-band waveguide S-parameters, power sweep, and antenna measurements from 60 to 90 GHz with PNA/PNA-X, Streamline, or PXI VNAs.



MODEL

**Agilent / Keysight
N5256BW12**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5256BW12

LISTING

<https://aumictechlabs.com/products/n5256bw12-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N5256BW12 is a crucial component for network analyzers, enabling accurate and reliable measurements in RF and microwave frequencies. This part is engineered to optimize the performance of network analyzers, ensuring precise signal analysis and contributing to overall system accuracy in testing and measurement setups.

N5256BW12 Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Millimeter-wave VNA frequency extender
Waveguide Band	WR12 (WM-3099)
Frequency Range Standard	60 GHz to 90 GHz
Frequency Range Extended	55 GHz to 95 GHz
Test Port Power Typical	plus 18 dBm typical (PNA/PNA-X with N5262BWxx)
Directivity	30 dB
Damage Level Estimate	30 dBm TxRx, TxRef (overview damage column)
Dynamic Range Typical Pna	120 dB at 10 Hz IFBW
Dynamic Range Minimum Pna	110 dB at 10 Hz IFBW
Magnitude Stability Pna	plus or minus 0.1 dB typical
Phase Stability Pna	plus or minus 1.5 deg typical
Dynamic Range Typical Streamline P	110 dB at 10 Hz IFBW
Dynamic Range Minimum Streamline P	100 dB at 10 Hz IFBW
Magnitude Stability Streamline	plus or minus 0.15 dB typical
Phase Stability Streamline	plus or minus 2 deg typical
Se Option Test Port Power	plus 13 dBm typical (WR12 SE option 60-90 GHz, extended 55-90 GHz)
Flange	IEEE 1785-2a compatible with UG-387/UM
Input Power Option 1	plus 10 dBm required at module input (1.2 m cables / test set)
Input Power Option 5	plus 2 dBm required at module input (5 m cables / direct connect)
If Bandwidth For Dr Spec	10 Hz
Host Controllers	N5262A, N5292A, N5252APXI, or PNA direct connect
Related Bundle Extenders	N5252AW12 for Streamline/PXI compact E-band bundles
Literature	Keysight Banded Millimeter Wave Network Analysis technical overview
Bandwidth	For Dr Spec: 10 Hz

N5256BW12 Specifications

PARAMETER	VALUE
Applications	E-band waveguide S-parameters, power sweep, and antenna measurements from 60 to 90 GHz with PNA/PNA-X, Streamline, or PXI VNAs.
Key Features	WR12 VNAX mini TxRx extender
Technical Specifications	Instrument Type: Millimeter-wave VNA frequency extender

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	Millimeter-wave VNA frequency extender
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Test Port Power Typical	plus 18 dBm typical (PNA/PNA-X with N5262BWxx)
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Dynamic Range Typical Pna	120 dB at 10 Hz IFBW
Dynamic Range Minimum Pna	110 dB at 10 Hz IFBW
Magnitude Stability Pna	plus or minus 0.1 dB typical
Phase Stability Pna	plus or minus 1.5 deg typical
Dynamic Range Typical Streamline P50	110 dB at 10 Hz IFBW
Dynamic Range Minimum Streamline P50	100 dB at 10 Hz IFBW
Magnitude Stability Streamline	plus or minus 0.15 dB typical
Phase Stability Streamline	plus or minus 2 deg typical
Se Option Test Port Power	plus 13 dBm typical (WR12 SE option 60-90 GHz, extended 55-90 GHz)
Flange	IEEE 1785-2a compatible with UG-387/UM
Input Power Option 120	plus 10 dBm required at module input (1.2 m cables / test set)
Input Power Option 500	plus 2 dBm required at module input (5 m cables / direct connect)
If Bandwidth For Dr Spec	10 Hz
Host Controllers	N5262A, N5292A, N5252APXI, or PNA direct connect
Related Bundle Extenders	N5252AW12 for Streamline/PXI compact E-band bundles
Literature	Keysight Banded Millimeter Wave Network Analysis technical overview
Notes	
WR12 numeric rows from Keysight Banded Millimeter Wave Network Analysis technical overview VDI extender	

comparison table, N5262BWxx columns. Cable input-power options from the N526xBxx ordering section of the same overview.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.