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**Data Sheet**

August 15, 2026

AGILENT / KEYSIGHT

# Agilent/Keysight N5293AX01 110 GHz Frequency Extender

Keysight N5293AX01 Millimeter Wave Frequency Extender The Keysight N5293AX01 is a millimeter-wave frequency extender for N5290A/N5291A broadband VNA systems. OEM N5290A technical specifications and N5290A/N5291A configuration guides list 110 GHz maximum frequency, 1.2 m cable, no bias tee, and 1.0 mm male test port with N5292A integrated interconnect. On-wafer and coaxial broadband S-parameter measurements from RF through millimeter wave when used with a PNA/PNA-X and N5292A test set controller. LED status reporting to the N5292A controller The Keysight N5293AX01 is a millimeter-wave frequency extender for N5290A/N5291A broadband VNA systems. OEM N5290A technical specifications and N5290A/N5291A configuration guides list 110 GHz maximum frequency, 1.2 m cable, no bias tee, and 1.0 mm male test port with N5292A integrated interconnect. On-wafer and coaxial broadband S-parameter measurements from RF through millimeter wave when used with a PNA/PNA-X and N5292A test set controller. LED status reporting to the N5292A controller Instrument Type: millimeter wave frequency extender



## MODEL

**Agilent / Keysight  
N5293AX01**

## CALIBRATION

**Available on  
request**

## CONDITION

**Used**

## STATUS

**In stock**

## RFQ / SKU

**N5293AX01**

## LISTING

<https://aumictechlabs.com/products/n5293ax01-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

**This unit**

The Agilent/Keysight N5293AX01 represents a solution for network analysis, delivering exceptional accuracy and speed. Its advanced features include seamless integration with various test setups, comprehensive data analysis capabilities, and a user-friendly interface. This network analyzer is engineered to meet the demanding requirements of modern research and development environments.

## N5293AX01 Characteristics / Specifications

| PARAMETER                                | VALUE                                           |
|------------------------------------------|-------------------------------------------------|
| Model                                    | N5293AX01                                       |
| Instrument Type                          | millimeter wave frequency extender              |
| Maximum Frequency                        | 110 GHz                                         |
| Lowest Frequency No Lfe                  | 10 MHz                                          |
| Cable Length                             | 1.2 m integrated cable                          |
| Bias Configuration                       | No bias tee                                     |
| Test Port Connector                      | 1.0 mm male                                     |
| Sense Connector                          | Lemo K 2 contacts                               |
| Bias Input Connector                     | BNC female                                      |
| Controller Interface                     | integrated N5292A test set front port connector |
| Max Bias Voltage Bias Models             | 50 V DC                                         |
| Max Bias Current Bias Models             | 1 A                                             |
| Pulsed Bias Rise Fall Time Pulsed Models | less than 1 us                                  |
| Led State Connected                      | blue when connected and addressed by N5292A     |
| Led State Standby                        | green or orange standby or warmup               |
| Led State Error                          | red                                             |
| Led State Off                            | extender powered off                            |
| Host Analyzer                            | Keysight PNA or PNAXwith N5292A controller      |
| System Example 110 Ghz                   | N5290A class with N5293AX03                     |
| System Example 120 Ghz                   | N5291A class with N5295AX03                     |
| Magnitude Stability System Typical       | plus or minus 0.015 dB over 24 hours            |
| Phase Stability System Typical           | plus or minus 0.15 degrees over 24 hours        |
| Bias Tee Rating Lfe Models               | 50 V 1 A Kelvin bias tee built in               |
| Cooling                                  | compact module without cooling fans             |
| Operating Context Temperature            | 0 C to 40 C typical VNA rack lab                |

| PARAMETER     | VALUE                                              |
|---------------|----------------------------------------------------|
| Series Family | Keysight N5293A / N5295A millimeter wave extenders |

# N5293AX01 Specifications

| PARAMETER                                             | VALUE                                         |
|-------------------------------------------------------|-----------------------------------------------|
| Keysight N5293AX01 Millimeter Wave Frequency Extender | Overview                                      |
| Key Features                                          | 110 GHz maximum frequency coverage            |
| No bias tee                                           | LED status reporting to the N5292A controller |
| Technical Specifications                              | Model: N5293AX01                              |

# 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 and N5290A/N5291A configuration guides list 110 GHz maximum frequency, 1.2 m cable, no bias tee, and 1.0 mm male test port with N5292A integrated interconnect.

Applications

On-wafer and coaxial broadband S-parameter measurements from RF through millimeter wave when used withaPNA/PNA-X and N5292A test set controller.

Key Features

110 GHz maximum frequency coverage

1.2 m integrated controller cable

1.0 mm male precision test port

No bias tee

LED status reporting to the N5292A controller

Technical Specifications

### Technical Specifications

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Notes

Connector bias LED and bias limits from Keysight N5290A Technical Specifications Table 38 (N5293AXxx) and configuration guide rows for N5293A/N5295A extenders. System stability and bias-tee ratings from N5290A/N5291A configuration guide feature lists.

### Available from Aumictech

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

Request a quote: [sales@aumictech.com](mailto: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.