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**Data Sheet**

August 15, 2026

AGILENT / KEYSIGHT

# Agilent/Keysight N5293AX02 110 GHz Frequency Extender, Pulsed DC bias

Keysight N5293AX02 Millimeter Wave Frequency Extender The Keysight N5293AX02 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, pulsed 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 N5293AX02 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, pulsed 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  
N5293AX02**

## CALIBRATION

**Available on  
request**

## CONDITION

**Used**

## STATUS

**In stock**

## RFQ / SKU

**N5293AX02**

## LISTING

<https://aumictechlabs.com/products/n5293ax02-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

**This unit**

The Agilent/Keysight N5293AX02 is a crucial network analyzer accessory that expands the functionality of compatible network analyzers. It is engineered to optimize measurement precision and streamline processes. This accessory integrates with numerous Keysight network analyzer models, offering enhanced performance and versatility across diverse testing scenarios.

## N5293AX02 Characteristics / Specifications

| PARAMETER                                | VALUE                                           |
|------------------------------------------|-------------------------------------------------|
| Model                                    | N5293AX02                                       |
| 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                       | Pulsed 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 |

# N5293AX02 Specifications

| PARAMETER                                             | VALUE                                         |
|-------------------------------------------------------|-----------------------------------------------|
| Keysight N5293AX02 Millimeter Wave Frequency Extender | Overview                                      |
| Key Features                                          | 110 GHz maximum frequency coverage            |
| Pulsed bias tee                                       | LED status reporting to the N5292A controller |
| Technical Specifications                              | Model: N5293AX02                              |

# 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, pulsed 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

Pulsed 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.