

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N5293AX03 110 GHz Frequency Extender

Keysight N5293AX03 Millimeter Wave Frequency Extender The Keysight N5293AX03 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, life with 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. The Keysight N5293AX03 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, life with 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
N5293AX03**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5293AX03

LISTING

<https://aumictechlabs.com/products/n5293ax03-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N5293AX03 is a network analyzer module that provides performance for complex measurement scenarios. Its exceptional dynamic range and low trace noise ensure precise characterization of components and systems. The module supports a variety of calibration techniques to minimize measurement errors and enhance accuracy. Ideal for engineers and researchers working on advanced RF and microwave technologies.

N5293AX03 Characteristics / Specifications

PARAMETER	VALUE
Model	N5293AX03
Instrument Type	millimeter wave frequency extender
Maximum Frequency	110 GHz
Lowest Frequency With Lfe	900 Hz
Cable Length	1.2 m integrated cable
Bias Configuration	LFE with 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

N5293AX03 Specifications

PARAMETER	VALUE
Keysight N5293AX03 Millimeter Wave Frequency Extender	Overview
Key Features	110 GHz maximum frequency coverage
LFE with bias tee	LED status reporting to the N5292A controller
Technical Specifications	Model: N5293AX03

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, lfe with 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

LFE with bias tee

LED status reporting to the N5292A controller

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	N5293AX03
Instrument Type	millimeter wave frequency extender
Maximum Frequency	110 GHz
Lowest Frequency With Lfe	900 Hz
Cable Length	1.2 m integrated cable
Bias Configuration	LFE with 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

PARAMETER	VALUE
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 Life 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
Series Family	Keysight N5293A / N5295A millimeter wave extenders

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 · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.