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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N5293AX53 110 GHz Frequency Extender

Keysight N5293AX53 Millimeter Wave Frequency Extender The Keysight N5293AX53 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, 1.8 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 N5293AX53 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, 1.8 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
N5293AX53**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5293AX53

LISTING

<https://aumictechlabs.com/products/n5293ax53-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N5293AX53 is a network analyzer renowned for its accuracy and efficiency. It has comprehensive tools for analyzing signal behavior, impedance, and transmission characteristics across a broad spectrum of frequencies. With its advanced calibration techniques and intuitive user interface, it ensures reliable and repeatable results for demanding testing scenarios.

N5293AX53 Characteristics / Specifications

PARAMETER	VALUE
Model	N5293AX53
Instrument Type	millimeter wave frequency extender
Maximum Frequency	110 GHz
Lowest Frequency With Lfe	900 Hz
Cable Length	1.8 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

N5293AX53 Specifications

PARAMETER	VALUE
Keysight N5293AX53 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: N5293AX53

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, 1.8 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

1.8 m integrated controller cable

1.0 mm male precision test port

LFE with bias tee

LED status reporting to the N5292A controller

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 · +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.