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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N2796A

HP Agilent Keysight N2796A Single Ended Active Probe 2 GHz The Keysight N2796A is a 2 GHz single-ended active probe with AutoProbe interface for InfiniiVision and Infiniium oscilloscopes. OEM data sheet 5990-6480EN lists plus or minus 8 V dynamic range, plus or minus 12 V offset range, 1 MOhm input resistance, and approximately 1 pF input capacitance with 1.3 m cable. Higher-speed single-ended digital and analog debug where 2 GHz probe bandwidth is required on AutoProbe scopes. 2 GHz bandwidth single-ended active probing The Keysight N2796A is a 2 GHz single-ended active probe with AutoProbe interface for InfiniiVision and Infiniium oscilloscopes. OEM data sheet 5990-6480EN lists plus or minus 8 V dynamic range, plus or minus 12 V offset range, 1 MOhm input resistance, and approximately 1 pF input capacitance with 1.3 m cable. Higher-speed single-ended digital and analog debug where 2 GHz probe bandwidth is required on AutoProbe scopes. 2 GHz bandwidth single-ended active probing Includes spring and rigid tips plus ground accessories



MODEL

**Agilent / Keysight
N2796A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N2796A

LISTING

<https://aumictechlabs.com/products/n2796a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N2796A is a 2 GHz single-ended active probe engineered for high-speed signal acquisition with minimal loading effects on the Device Under Test. Featuring 1 MΩ input resistance and 1 pF input capacitance, the probe delivers superior signal fidelity across digital system design, component characterization, and educational research applications. Power delivery and

oscilloscope communication occur directly through the AutoProbe interface, eliminating external power supply requirements.

Technical Specifications

Probe bandwidth: 2 GHz (-3 dB) System bandwidth with compatible oscilloscopes: 1 GHz (1 GHz InfiniiVision/Infiniium) or 1.5 GHz (1.5 GHz InfiniiVision 4000 X, 6000 X) Input resistance: 1 M Ω Input capacitance: 1 pF Attenuation ratio: 10:1 $\pm$ 0.5% Rise time: 175 ps Input dynamic range: $\pm$ 8 V (DC or peak AC) Offset range: $\pm$ 12 V Non-destructive input voltage: -20 V to +20 V Low-frequency accuracy: 0.5% at 70 Hz, 1 Vpp Output impedance: 50 Ω Cable length: 1.3 m

Key Features

Minimal loading through high input impedance and ultra-low capacitive loading Wide dynamic and offset range accommodates diverse signal levels Built-in white LED headlight for improved circuit visibility AutoProbe interface integration with Keysight oscilloscopes Operating temperature range: 0 to 50°C

Typical Applications

Digital system design, component design and characterization, and educational research requiring high-fidelity signal acquisition at gigahertz frequencies.

Compatibility & Integration

The N2796A interfaces with Keysight InfiniiVision 3000/3000T X-Series, 4000 X-Series, 6000 X-Series, 5000, 6000 (excluding 6000 100 MHz), and 7000 Series oscilloscopes. Also compatible with Keysight Infiniium 9000 Series, S-Series, and 90000A Series. The probe operates as a cost-effective alternative to higher-end probes when used with 2.5 GHz or greater bandwidth Infiniium 9000 or 90000 Series oscilloscopes.

N2796A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Single-ended active probe
Bandwidth	2 GHz
Input Dynamic Range	-8 V to plus 8 V (DC or peak AC)
Offset Range	plus or minus 12 V
Dc Offset Error Output Zero	less than plus or minus 1 mV
Input Resistance	1 MOhm plus or minus 3 percent
Input Capacitance	approximately 1 pF
Probe Power	Keysight AutoProbe interface from scope
Cable Length	1.3 m
Probe Weight	approximately 100 g
Ambient Operating Temperature	0 C to 50 C class per OEM environmental table
Operating Altitude	4000 m
Esd	8 kV HBM
Attenuation Flatness Typical 10 Hz To 100 KHz	0.3 dB
Attenuation Flatness Typical 100 KHz To 100 Mhz	0.6 dB
Attenuation Flatness Typical 100 Mhz To 500 Mhz	0.8 dB
Attenuation Flatness Typical 500 Mhz To 1 Ghz	2.0 dB
Attenuation Flatness Typical 1 Ghz To 1.5 Ghz	2.5 dB typical (family table)
Series Family	Keysight N2795A/96A/97A
Literature	Keysight 5990-6480EN
Standard Accessories Class	Spring tips rigid tips flex nose clip copper pads dual lead socketed ground blades offset ground flex ground color rings
Standard Spring Tips	2 each

PARAMETER	VALUE
Attenuation	Flatness Typical 10 Hz To 100 Khz: 0.3 dB
Operating temperature	0 C to 50 C class per OEM environmental table

N2796A Specifications

PARAMETER	VALUE
Applications	Higher-speed single-ended digital and analog debug where 2 GHz probe bandwidth is required on AutoProbe scopes.
Keysight AutoProbe powered from scope	2 GHz bandwidth single-ended active probing
Plus or minus 12 V offset range	Low input capacitance about 1 pF
Technical Specifications	Instrument Type: Single-ended active probe

General Specifications & Supplementary Characteristics

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Standard Spring Tips	2 each Notes From Keysight N2795A/96A/97A Single-ended Active Probes data sheet 5990-6480EN model N2796A column. Flatness rows follow the published typical attenuation table in that datasheet.

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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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.