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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N2795A

HP Agilent Keysight N2795A Single Ended Active Probe 1 GHz The Keysight N2795A is a 1 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 8 V offset range, 1 MOhm input resistance, and approximately 1 pF input capacitance with 1.3 m cable. General-purpose high-speed single-ended signal integrity, IC and device debug on AutoProbe oscilloscopes. 1 GHz bandwidth single-ended active probing The Keysight N2795A is a 1 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 8 V offset range, 1 MOhm input resistance, and approximately 1 pF input capacitance with 1.3 m cable. General-purpose high-speed single-ended signal integrity, IC and device debug on AutoProbe oscilloscopes. 1 GHz bandwidth single-ended active probing Includes spring and rigid tips plus ground accessories



MODEL

**Agilent / Keysight
N2795A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N2795A

LISTING

<https://aumictechlabs.com/products/n2795a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N2795A is a 1 GHz single-ended active probe engineered for high-speed signal measurements across digital design, component characterization, and research applications. It delivers minimal loading on the Device Under Test through 1 MΩ input resistance and 1 pF input capacitance. The probe accepts input signals from -8 V to +8 V (DC or peak AC) with an offset

range of ± 8 V, accommodating diverse measurement scenarios. Non-destructive overvoltage protection extends to ± 20 V. Technical Specifications Bandwidth: 1 GHz (-3 dB) Attenuation Ratio: 10:1 $\pm$ 0.5% Input Impedance: 1 M Ω with 1 pF capacitance Input Dynamic Range: -8 V to +8 V (DC or peak AC) Maximum Non-destructive Input: ± 20 V Offset Range: ± 8 V DC Offset Error: < ± 1 mV Flatness (25 °C): 0.4 dB (100 kHz–100 MHz), 0.6 dB (100–500 MHz), 0.8 dB (500 MHz–1 GHz), 1.3 dB (1–2 GHz) Risetime (10–90%): 350 ps Cable Length: 1.3 m Operating Temperature: 0 to 50 °C Key Features AutoProbe interface connection - no external power supply required Built-in LED headlight for improved DUT visibility System bandwidth reaches 1 GHz with compatible oscilloscopes Includes multiple probe tip accessories for flexible connections Typical Applications High-speed digital signal measurements Component characterization and validation Educational research and laboratory work Compatibility & Integration The N2795A integrates with Keysight InfiniiVision series (3000/3000T X-Series, 4000 X-Series, 6000 X-Series, 5000, 6000, 7000) and Infiniium series (9000, S-Series, 90000A Series) oscilloscopes. System bandwidth varies by oscilloscope: 500 MHz, 600 MHz, or up to 1 GHz depending on instrument specification.

N2795A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Single-ended active probe
Bandwidth	1 GHz
Input Dynamic Range	-8 V to plus 8 V (DC or peak AC)
Offset Range	plus or minus 8 V
Dc Offset Error Output Zero	less than plus or minus 1 mV
Input Resistance	1 MOhm plus 0 percent minus 2.5 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
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
Standard Rigid Tips	2

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

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	0 C to 50 C class per OEM environmental table
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Standard Spring Tips	2 each
Standard Rigid Tips	2 Notes From Keysight N2795A/96A/97A Single-ended Active Probes data sheet 5990-6480EN model N2795A column. Confirm scope AutoProbe compatibility and firmware.

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.