

# Keysight N2795A/96A/97A Single-ended Active Probes

## Affordable Active Probes With the Performance You Need Everyday

The Keysight N2795A/96A/97A are low-cost  $\leq 2$  GHz single-ended active probes. These probes integrate many of the characteristics and features needed for today's general-purpose, high-speed probing - especially in digital system design, component design/characterization, and research applications. Its  $1\text{M}\Omega$  input resistance and low input capacitance (1 pF) provide ultra low loading of your DUT, enabling you to see an accurate representation of your signal. Additionally, the N2797A is the industry's first low-cost, high input impedance active probe with rugged probe tips for environmental chamber testing.



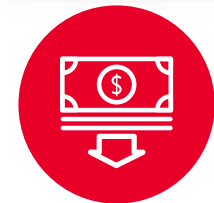
### Accurate Signal Measurements

- Low Loading ( $\leq 1$  pF// $1\text{M}\Omega$ ) and flat frequency response allow for measuring high speed signals without affecting the signal
- Achieve a system bandwidth of up to 2 GHz all the way to the probe tip.
- The N2797A is designed for accurate measurement even at extreme temperatures (-40 to +85 °C operating temperature range)



### General Purpose

- Wide input range ensures compatibility with a wide variety of applications
- Small form factor allows probing in confined areas
- Built-in headlight enables you to see where you are probing
- AutoProbe interface - the probe is automatically configured and powered



### Quality Probes at a Budget Price

- Lower cost than many other high-performance probing solutions
- Comes standard with a variety of probe tip accessories

## Key Performances and Features

	N2795A	N2796A	N2797A
Bandwidth	1 GHz	2 GHz	1.5 GHz
Attenuation ratio	10:1		
Input dynamic range	-8V to +8V (DC + peak AC)		
Offset range	±8 V	±12 V	
Input resistance	1 MΩ		
Input capacitance	1 pF		
Operating temperature	0 °C to +50 °C		-40 °C to +85 °C
Cable length	1.3 m		2 m

## Ordering Information

### Probes

- N2795A 1 GHz Single-ended Active Probe
- N2796A 2 GHz Single-ended Active Probe
- N2797A 1.5 GHz Extreme Temperature SE Active Probe

### Replacement accessories

- N4839A Dual lead socketed adapter, 6 cm, qty 2
- N4840A Dual lead solder-in adapter, 5 cm, qty 2
- N4841A Dual lead socketed adapter, 9 cm, qty 2
- N4842A Dual pin PCB header, qty 2
- N4843A Solderable tips, qty 10
- N4844A Right angle ground lead, 5 cm, qty 2
- N4845A Ground blade, qty 2
- N4846A Offset ground, qty 2

## Oscilloscope Compatibility

### InfiniiVision Series

- 3000T, 4000X and 6000X Series
- 5000, 6000, 7000 Series

### Infiniium Series

- S, 9000A, 90000A, 90000X, V, Z, and Q Series

*Note: Infiniium scopes with AutoProbe II interface require the N5442A adapter.*

For more information, visit [www.keysight.com/find/N2796A](http://www.keysight.com/find/N2796A)