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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N5439A InfiniiMax III ZIF Probe Head

Agilent Keysight N5439A InfiniiMax III ZIF Probe Head The Keysight N5439A is the InfiniiMax III/III+ zero-insertion-force probe head used with replaceable ZIF tips. OEM Infiniium Oscilloscope Probes and Accessories data sheet lists N5440A ceramic 450 ohm tips at 28 GHz / 15.5 ps with Cdiff 32 fF, N2838A PC-board 450 ohm tips at 25 GHz / 17.4 ps with Cdiff 95 fF, and N5447A ceramic 200 ohm tips at 28 GHz / 15.5 ps, with 5 to 80 mil variable spacing. Replaceable ZIF-tip probing of high-speed differential nodes on InfiniiMax III/III+ amplifiers when solder-in or browser heads are not preferred. The Keysight N5439A is the InfiniiMax III/III+ zero-insertion-force probe head used with replaceable ZIF tips. OEM Infiniium Oscilloscope Probes and Accessories data sheet lists N5440A ceramic 450 ohm tips at 28 GHz / 15.5 ps with Cdiff 32 fF, N2838A PC-board 450 ohm tips at 25 GHz / 17.4 ps with Cdiff 95 fF, and N5447A ceramic 200 ohm tips at 28 GHz / 15.5 ps, with 5 to 80 mil variable spacing. Replaceable ZIF-tip probing of high-speed differential nodes on InfiniiMax III/III+ amplifiers when solder-in or browser heads are not preferred.



MODEL

**Agilent / Keysight
N5439A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5439A

LISTING

<https://aumictechlabs.com/products/n5439a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N5439A is a electronic test equipment module meticulously engineered for signal integrity analysis and high-speed digital testing. This module offers a suite of advanced features, ensuring precise and dependable measurements across a wide array of applications. Its superior design and functionality make it an indispensable tool for engineers and technicians working with high-speed digital systems.

N5439A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	InfiniiMax III zero insertion force probe head
Series Family	Keysight InfiniiMax III / III+ probe heads
Ceramic 450 Ohm Bandwidth	28 GHz with N5440A tips
Ceramic 450 Ohm Rise Time	15.5 ps with N5440A tips
Ceramic 450 Ohm Cdiff	32 fF with N5440A
Ceramic 450 Ohm With 20 Ghz Amp	20 GHz, 21.7 ps, 15.4 ps (N2803A 20 GHz class column)
Pcb 450 Ohm Bandwidth	25 GHz with N2838A tips
Pcb 450 Ohm Rise Time	17.4 ps with N2838A tips
Pcb 450 Ohm Cdiff	95 fF with N2838A
Ceramic 200 Ohm Bandwidth	28 GHz with N5447A tips
Ceramic 200 Ohm Rise Time	15.5 ps with N5447A tips
Ceramic 200 Ohm Cdiff	32 fF with N5447A
Diff Resistance 450 Ohm Tips	100 kOhm plus or minus 2 percent (N5440A/N2838A)
Se Resistance 450 Ohm Tips	50 kOhm plus or minus 2 percent
Diff Resistance 200 Ohm Tips	50 kOhm (N5447A)
Se Resistance 200 Ohm Tips	25 kOhm (N5447A)
Variable Spacing	5 mil to 80 mil
Tip Set Quantity	order tips in sets of 5 with plastic sporks
Compatible Tips	N2838A PC board 450 ohm, N5440A ceramic 450 ohm, N5447A ceramic 200 ohm
Compatible Amplifiers	InfiniiMax III and III+ probe amplifiers
Pcb Tip Cse	130 fF class with N2838A (sheet Cse column)
Ceramic Tip Cse	44 fF with N5440A
Literature	Keysight Infiniium Oscilloscope Probes and Accessories data sheet InfiniiMax III ZIF table
Bandwidth	28 GHz with N5440A tips

PARAMETER	VALUE
Rise Time	15.5 ps with N5440A tips

N5439A Specifications

PARAMETER	VALUE
Agilent Keysight N5439A InfiniiMax III ZIF Probe Head	Overview
Key Features	ZIF head accepts N5440A, N2838A, or N5447A tip sets of 5
Ceramic 450 ohm tips reach 28 GHz with 32 fF Cdiff	Variable spacing 5 mil to 80 mil
Technical Specifications	Instrument Type: InfiniiMax III zero insertion force probe head

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	
Specifications	
PARAMETER	VALUE
Instrument Type	InfiniiMax III zero insertion force probe head
Series Family	Keysight InfiniiMax III / III+ probe heads
Ceramic 450 Ohm Bandwidth	28 GHz with N5440A tips
Ceramic 450 Ohm Rise Time	15.5 ps with N5440A tips
Ceramic 450 Ohm Cdiff	32 fF with N5440A
Ceramic 450 Ohm With 20 Ghz Amp	20 GHz, 21.7 ps, 15.4 ps (N2803A 20 GHz class column)
Pcb 450 Ohm Bandwidth	25 GHz with N2838A tips
Pcb 450 Ohm Rise Time	17.4 ps with N2838A tips
Pcb 450 Ohm Cdiff	95 fF with N2838A
Ceramic 200 Ohm Bandwidth	28 GHz with N5447A tips
Ceramic 200 Ohm Rise Time	15.5 ps with N5447A tips
Ceramic 200 Ohm Cdiff	32 fF with N5447A
Diff Resistance 450 Ohm Tips	100 kOhm plus or minus 2 percent (N5440A/N2838A)
Se Resistance 450 Ohm Tips	50 kOhm plus or minus 2 percent
Diff Resistance 200 Ohm Tips	50 kOhm (N5447A)
Se Resistance 200 Ohm Tips	25 kOhm (N5447A)
Variable Spacing	5 mil to 80 mil
Tip Set Quantity	order tips in sets of 5 with plastic sporks
Compatible Tips	N2838A PC board 450 ohm, N5440A ceramic 450 ohm, N5447A ceramic 200 ohm
Compatible Amplifiers	InfiniiMax III and III+ probe amplifiers
Pcb Tip Cse	130 fF class with N2838A (sheet Cse column)
Ceramic Tip Cse	44 fF with N5440A
Literature	Keysight Infiniium Oscilloscope Probes and Accessories data sheet InfiniiMax III ZIF table

Notes

From Keysight Infiniium Oscilloscope Probes and Accessories data sheet InfiniiMax III/III+ warranted probe-head table rows N5440A_N5439A, N2838A_N5439A, and N5447A_N5439A plus the ZIF ordering note for N5439A.

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>

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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.