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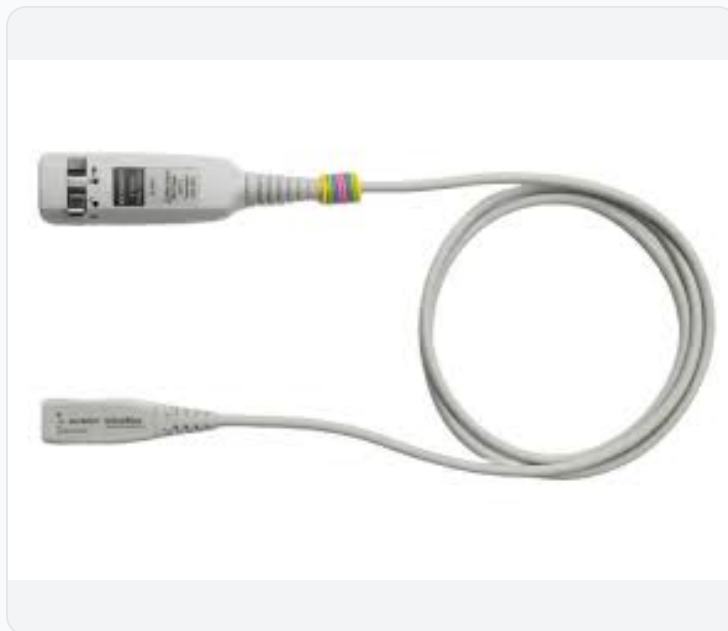
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 1169B

Agilent Keysight 1169B InfiniiMax II 12 GHz Probe Amplifier The Agilent/Keysight 1169B is the B-revision InfiniiMax II 12 GHz probe amplifier (1169A successor). OEM Infiniium InfiniiMax II data list greater than 12 GHz bandwidth for 1169A/B, 10:1 attenuation, AutoProbe, and use with InfiniiMax II solder-in/browser heads on Infiniium 80000/90000-class scopes. 1168A/B is the 10 GHz sibling. 12 GHz-class differential probing of high-speed serial links. Instrument Type: InfiniiMax II probe amplifier The Agilent/Keysight 1169B is the B-revision InfiniiMax II 12 GHz probe amplifier (1169A successor). OEM Infiniium InfiniiMax II data list greater than 12 GHz bandwidth for 1169A/B, 10:1 attenuation, AutoProbe, and use with InfiniiMax II solder-in/browser heads on Infiniium 80000/90000-class scopes. 1168A/B is the 10 GHz sibling. 12 GHz-class differential probing of high-speed serial links. Instrument Type: InfiniiMax II probe amplifier Ten Ghz Sibling: 1168A/B greater than 10 GHz



MODEL

**Agilent / Keysight
1169B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1169B

LISTING

**[https://aumictechlabs.c
om/products/1169b-2/](https://aumictechlabs.com/products/1169b-2/)**

NIST-traceable cal

SAM registered

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NAICS 423690 • 811210 • 541380

This unit

The Keysight 1169B is a high-frequency differential probe amplifier for the InfiniiMax II series, delivering 12 GHz specified bandwidth with 13 GHz typical performance. Built for signal integrity analysis on complex PCBs, it combines low noise with minimal measurement loading to preserve signal fidelity in demanding test environments. The 1169B is the RoHS-compliant variant of the 1169A, maintaining identical electrical and mechanical form, fit, and function. Technical

Specifications Bandwidth Specified: 12 GHz Typical: 13 GHz Voltage Range Dynamic Range: 3.3 V peak-to-peak DC Offset Range: ± 16 V Maximum Input Voltage: ± 30 V Input Impedance Differential Input Resistance: 50 k Ω Differential Input Capacitance: 0.21 pF Single-Ended Input Resistance: 25 k Ω Single-Ended Input Capacitance: 0.35 pF Attenuation Ratio: 3.4:1

Key Features Low input capacitance minimizes circuit loading and preserves signal integrity on high-speed nets High differential input impedance reduces measurement impact on PCB layouts Wide ± 30 V maximum input rating with ± 16 V DC offset capability accommodates various signaling standards Compatible with probe heads rated 12 GHz through 25 GHz for flexible measurement configurations

Typical Applications Signal integrity characterization on multi-gigahertz digital and mixed-signal circuits; differential pair analysis; power delivery network debugging; high-speed serial link validation.

Compatibility & Integration The 1169B connects directly to Keysight Infiniium oscilloscopes including MXR, EXR, S-Series, 90000A, and UXR platforms. Integration with 90000X, Q, V, and Z-series instruments requires the N5442A adapter; UXR configurations may require additional N2852A adapters depending on connector type (3.5 mm, 1 mm, or 1.85 mm). Operates with recommended probe heads including the MX0100A (25 GHz), MX0106A (23 GHz), MX0105A (20 GHz), N2839A (21 GHz), N5425B (18 GHz), and multiple 12 GHz variants.

1169B Characteristics / Specifications

PARAMETER	VALUE
Model	1169B
Instrument Type	InfiniiMax II probe amplifier
Bandwidth	greater than 12 GHz
Predecessor	1169A
Ten Ghz Sibling	1168A/B greater than 10 GHz
Attenuation	10:1
Probe Interface	AutoProbe
Head Family	InfiniiMax II solder-in browser socketed
Host Scopes	Infiniium 80000 90000 class
Manufacturer	HP Agilent Keysight
Mechanical Package	probe amplifier
Family	1168A/B 1169A/B InfiniiMax II
Documentation	Keysight InfiniiMax II 1168A/1169A probe data applied to 1169B
Application Class	high-speed serial differential probing
Dynamic Range Class	InfiniiMax II amplifier table
Input Resistance Class	InfiniiMax II differential/single-ended table
Duty	continuous probing
Esd Class	InfiniiMax II HBM rating on the amplifier sheet
Offset Class	InfiniiMax II offset range on the amplifier sheet
Noise Class	InfiniiMax II input-referred noise on the amplifier sheet
Related 1134B	InfiniiMax I 7 GHz amplifier is a lower-bandwidth family
Revision	B revision of 1169A

1169B Specifications

PARAMETER	VALUE
Applications	12 GHz-class differential probing of high-speed serial links.
Key Features	InfiniiMax II 12 GHz amplifier B revision
AutoProbe interface	1168B is the 10 GHz sibling
InfiniiMax II probe heads	Replaces 1169A
Technical Specifications	Model: 1169B

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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Noise Class	InfiniiMax II input-referred noise on the amplifier sheet
Related 1134B	InfiniiMax I 7 GHz amplifier isalower-bandwidth family
Revision	B revision of 1169A
Notes	
From Keysight InfiniiMax II 1168A/1169A probe literature applied to 1169B (B-revision 12 GHz amplifier). Confirm the exact bandwidth label on the 1169B amplifier.	

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

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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.