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Data Sheet

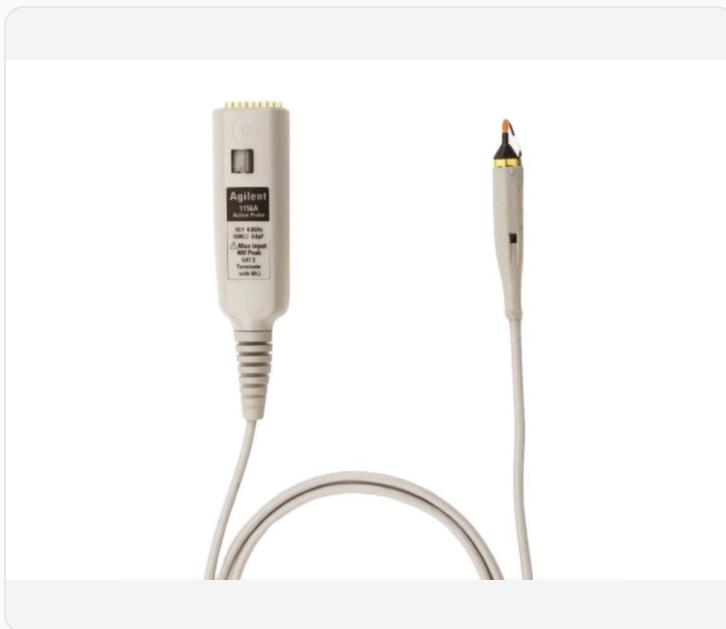
August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 1157A

Agilent Keysight 1157A InfiniiMax Probe Amplifier 2.5 GHz The Agilent/Keysight 1157A is an InfiniiMax probe amplifier. OEM Infiniium probe compatibility tables list 1157A among 1156A-1158A amplifiers used with InfiniiMax heads. Electrical loading follows the InfiniiMax table: 50 kohm differential / 25 kohm single-ended, 0.1 pF Cm, plus or minus 2.5 V dynamic range, AutoProbe interface. Bandwidth is 2.5 GHz. High-speed differential or single-ended probing on Infiniium oscilloscopes. InfiniiMax solder-in browser and socketed heads The Agilent/Keysight 1157A is an InfiniiMax probe amplifier. OEM Infiniium probe compatibility tables list 1157A among 1156A-1158A amplifiers used with InfiniiMax heads. Electrical loading follows the InfiniiMax table: 50 kohm differential / 25 kohm single-ended, 0.1 pF Cm, plus or minus 2.5 V dynamic range, AutoProbe interface. Bandwidth is 2.5 GHz. High-speed differential or single-ended probing on Infiniium oscilloscopes. InfiniiMax solder-in browser and socketed heads

Instrument Type: InfiniiMax probe amplifier



MODEL

**Agilent / Keysight
1157A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

1157A

LISTING

<https://aumictechlabs.com/products/1157a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 1157A is a 2.5 GHz active probe engineered to acquire high-frequency signals with minimal loading on the Device Under Test. Its high input impedance and low capacitance deliver accurate measurements across analog and digital waveforms while preserving signal integrity in demanding test environments. Technical Specifications Bandwidth:

2.5 GHz Input Impedance: 100 k Ω , 0.8 pF (non-resonant) Rise Time: 140 ps (110 Ω resistive signal pin with solderable ground socket) Dynamic Range: 5 V peak-to-peak; >12 V peak-to-peak for edges exceeding 3 ns Voltage Offset: ± 15 V Key Features AutoProbe interface enables automatic oscilloscope configuration on compatible instruments Multiple probe tip configurations optimize performance across different measurement scenarios 110 Ω resistive signal pin (green) with solderable ground socket achieves full 2.5 GHz bandwidth and 140 ps rise time 130 Ω resistive signal pin (orange) with ground blade assembly option Resistive signal leads in 5 cm and 10 cm lengths support surface-mount and through-hole applications Micro clip attachment for precision probing of compact nodes Dedicated ground socket (E2637A) available separately Compact form factor facilitates access to densely populated circuit areas Typical Applications The 1157A addresses high-speed analog and digital signal measurement where probe loading must be minimized. Its low input capacitance and non-resonant design suppress overshoot and ringing artifacts common in high-impedance circuits. Applications include design validation, signal integrity analysis, and troubleshooting on circuits operating in the multi-gigahertz range. Compatibility & Integration The probe integrates with Keysight Infiniium Series and InfiniiVision 5000, 6000, and 7000 Series oscilloscopes (excluding 6000 Series 100 MHz models). AutoProbe compatibility eliminates manual probe configuration, reducing setup time and ensuring consistent measurement parameters across test sessions.

1157A Characteristics / Specifications

PARAMETER	VALUE
Model	1157A
Instrument Type	InfiniiMax probe amplifier
Bandwidth	2.5 GHz
Rise Time Class	per the 1157A amplifier bandwidth on the Infiniium probe table
Differential Input Resistance	50 kohm plus or minus 1 percent
Single Ended Input Resistance	25 kohm plus or minus 1 percent
Input Capacitance Cm	0.1 pF between tips
Input Capacitance Cg	0.34 pF each tip to ground
Input Dynamic Range	plus or minus 2.5 V
Common Mode Range Dc To 100 Hz	plus or minus 6.75 V
Dc Attenuation	10:1
Offset Range Single Ended	plus or minus 12.0 V
Noise Referred To Input	3.0 mV rms class InfiniiMaxItable
Maximum Input Voltage	30 V peak CATIEsd Tolerance: greater than 8 kV HBM class
Probe Interface	AutoProbe
Head Family	InfiniiMaxIsolder-in browser socketed
Manufacturer	HP Agilent Keysight
Mechanical Package	probe amplifier
Family	1156A 1157A 1158A
Related 11	1130A/B 1.5 GHz through 1134A/B 7 GHz amplifiers share the head family
Documentation	Keysight Infiniium probes data sheet 1156A-1158A compatibility
Head Compatibility	InfiniiMaxIprobe heads
Rise Time	Class: per the 1157A amplifier bandwidth on the Infiniium probe table
Attenuation	10:1

1157A Specifications

PARAMETER	VALUE
Key Features	2.5 GHz InfiniiMax amplifier
AutoProbe interface	InfiniiMax solder-in browser and socketed heads
Technical Specifications	Model: 1157A

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	
Technical Specifications	
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Dc Attenuation	10:1
Offset Range Single Ended	plus or minus 12.0 V
Noise Referred To Input	3.0 mV rms class InfiniiMax I table
Maximum Input Voltage	30 V peak CAT I
Esd Tolerance	greater than 8 kV HBM class
Probe Interface	AutoProbe
Head Family	InfiniiMax I solder-in browser socketed
Manufacturer	HP Agilent Keysight
Mechanical Package	probe amplifier
Family	1156A 1157A 1158A
Related 1130	1130A/B 1.5 GHz through 1134A/B 7 GHz amplifiers share the head family
Documentation	Keysight Infiniium probes data sheet 1156A-1158A compatibility
Head Compatibility	InfiniiMax I probe heads
Specifications	

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Documentation	Keysight Infinium probes data sheet 1156A-1158A compatibility
Head Compatibility	InfiniiMaxIprobe heads

Notes

From Keysight Infinium probe compatibility listings for 1157A (1156A-1158A) and the

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
NAICS 423690 · 811210 · 541380
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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.