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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N5748A DC Power Supply, 0 to 80 Vdc, 0 to 9.5 A, 760 W

The Agilent/Keysight N5748A is an N5700 Series 1U system DC power supply. OEM datasheet ratings are 80 V, 9.5 A, and 760 W with built-in metering and standard LAN/USB/GPIB. Rack ATE DC power, manufacturing burn-in, and design validation where 750 W or 1500 W class density matters. Universal AC input 85 to 265 Vac with PFC LAN USB and GPIB interfaces standard LXI ClassC Overvoltage overcurrent overtemperature protection with UVL Agilent Keysight N5748A System DC Power Supply 80 V 9.5 A 760 W The Agilent/Keysight N5748A is an N5700 Series 1U system DC power supply. OEM datasheet ratings are 80 V, 9.5 A, and 760 W with built-in metering and standard LAN/USB/GPIB. Rack ATE DC power, manufacturing burn-in, and design validation where 750 W or 1500 W class density matters. Universal AC input 85 to 265 Vac with PFC



MODEL

**Agilent / Keysight
N5748A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5748A

LISTING

<https://aumictechlabs.com/products/n5748a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N5748A is a, single-output DC power supply Delivering up to 1500W of power, It has a wide voltage and current range, ensuring compatibility with various devices. The power supply features intuitive controls and a clear display for easy setup and monitoring. Protection features include overvoltage, overcurrent, and overtemperature protection,

safeguarding both the power supply and the connected device. Its compact form factor allows for efficient use of bench space or integration into automated test systems.

N5748A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	System DC power supply
Series Family	Keysight N5700
Rated Output Voltage	80 V
Rated Output Current	9.5 A
Rated Output Power	760 W
Output Ripple Noise CV Peak Peak	80 mV up to 20 MHz
Output Ripple Noise CV RMS	8 mV from 5 Hz to 1 MHz
CV Load Regulation	10 mV
CC Load Regulation	6.9 mA
CV Line Regulation	10 mV
CC Line Regulation	2.95 mA
Voltage Programming Accuracy	0.05 percent plus 40 mV
Current Programming Accuracy	0.1 percent plus 9.5 mA
Voltage Measurement Accuracy	0.1 percent plus 80 mV
Current Measurement Accuracy	0.1 percent plus 28.5 mA
Load Transient Recovery Time	1 ms or less
Overvoltage Protection Range	5 to 88 V
Up Program Response Full Load	0.15 s
Down Program Response Full Load	0.15 s
Down Program Response No Load	1.2 s
Remote Sense Compensation Per Lead	4 V
Command Response Time Typical	55 ms add to output response
Data Readback Transfer Time LAN Typical	3 ms
Package Height	1 U
AC Input	85 to 265 Vac 47 to 63 Hz universal

PARAMETER	VALUE
Remote Interfaces	LAN USB 2.0 GPIB
LXI Compliance	LXI ClassC Notes Numeric rows from Keysight N5700 Series System DC Power Supplies datasheet model column N5748A.

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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Voltage Programming Accuracy	0.05 percent plus 40 mV
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Voltage Measurement Accuracy	0.1 percent plus 80 mV
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LXI Compliance	LXI ClassC Notes
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Numeric rows from Keysight N5700 Series System DC Power Supplies datasheet model column N5748A.

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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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.