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Data Sheet

August 3, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N5768A

Keysight (Agilent) N5768A System DC Power Supply, 80 V, 19 A, 1520 W The Keysight N5768A is an N5700 Series system DC power supply rated 80 V / 19 A / 1520 W in a compact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement; analog programming. System DC bias; 80 V rail testing; ATE rack integration in 1U. The Keysight N5768A is an N5700 Series system DC power supply rated 80 V / 19 A / 1520 W in a compact 1U package. Universal AC input; GPIB/LAN/USB/LXI; built-in V/I measurement; analog programming. System DC bias; 80 V rail testing; ATE rack integration in 1U.



MODEL Keysight / Agilent N5768A	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU N5768A	LISTING https://aumictechlabs.com/products/n5768a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight N5768A is a 1520 W single-output DC power supply engineered for automated test equipment (ATE) systems in research, design validation, and manufacturing environments. Housed in a compact 1U rackmount package, it delivers 0–80 VDC at 0–19 ADC with exceptionally low output ripple and noise at 8 mVrms. The unit combines precise voltage and current control with multiple protection mechanisms - over-voltage, over-current, over-temperature, and under-voltage lockout - ensuring safe operation under demanding conditions. Active Power Factor Correction (PFC) at 0.99 typical minimizes input harmonics across universal 85–265 VAC supplies. Technical Specifications Output: 0–80 VDC, 0–19 ADC (1520 W total) Output Ripple & Noise: 8 mVrms typical Voltage Readback Accuracy: Vout - 80 mV (minimum) to Vout - 160 mV

(high voltage) AC Input: 85–265 VAC universal; 10.5 A at 100 VAC, 5 A at 200 VAC typical Power Factor: 0.99 typical with active PFC Form Factor: 1U height, 19-inch wide rackmount (432.8 × 422.8 × 43.6 mm) Weight: 8.5 kg Operating Temperature: 0°C to +55°C Key Features Floating voltage and constant current operation modes Over-voltage, over-current, over-temperature, and under-voltage lockout protection GPIB, LAN (Ethernet), and USB interfaces with LXI Class C compliance Built-in web server for remote monitoring and control via standard browser Analog/resistance control of output voltage and current Independent remote on/off and remote enable/disable Front-panel rotary encoders for voltage and current adjustment Simultaneous voltage and current display with LED status indicators Front panel control lock to prevent accidental changes 15 store/recall states for programmed configurations Parallel operation (up to 4 units) for increased current delivery Series operation capability for elevated voltage outputs Typical Applications Automated test equipment systems, design validation benches, manufacturing test floors, and research laboratories requiring stable, controllable DC power with integrated instrumentation connectivity. Compatibility & Integration Standard GPIB, Ethernet, and USB interfaces enable direct integration into test systems. LXI Class C compliance ensures interoperability with modern instrument networks. Remote control via web browser allows headless operation. Front and side venting permits stacking without thermal compromise.

Features & description

From manufacturer datasheet

Features

- 80 V / 19 A / 1520 W • 1U package; universal AC 85–265 Vac • Interfaces: GPIB, LAN, USB, LXI • CV ripple: 80 mV p-p / 8 mV rms • Compatibility command sets for Xantrex XFR / Sorensen DLM / Keysight 603x (family)

N5768A Characteristics / Specifications

PARAMETER	VALUE
Model	N5768A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (1500 W class)
Alias	N5768A DC Output Ratings
Voltage	0.05% + 40 mV (family table for this group)
Current	0 to 19 A
Power	1520 W Output Ripple and Noise
CV rms	8 mV Programming Accuracy (80–600 V group class examples)
Measurement accuracy voltage	0.1% + 80 mV (family table) AC Input
Nominal	100–240 Vac; 50/60 Hz
Range	85–265 Vac; 47–63 Hz PF: 0.99 at nominal input and rated power Operational Notes Prefer Keysight N5700 Series datasheet for full accuracy rows for N5768A.
Interfaces	GPIB, LAN, USB, LXI
CV ripple	80 mV p-p / 8 mV rms

N5768A Specifications

PARAMETER	VALUE
Applications	System DC bias; 80 V rail testing; ATE rack integration in 1U.
Key Features	- 80 V / 19 A / 1520 W
Technical Specifications	Model: N5768A
DC Output Ratings	Voltage: 0 to 80 V
Output Ripple and Noise	CV p-p: 80 mV
AC Input	Nominal: 100–240 Vac; 50/60 Hz
Operational Notes	Prefer Keysight N5700 Series datasheet for full accuracy rows for N5768A.

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
Model	N5768A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	System DC Power Supply
Family	N5700 Series (1500 W class)
Alias	N5768A

DC Output Ratings

Specifications

PARAMETER	VALUE
Voltage	0 to 80 V
Current	0 to 19 A
Power	1520 W

Output Ripple and Noise

CV p-p: 80 mV
CV rms: 8 mV

Programming Accuracy (80–600 V group class examples)
Voltage: 0.05% + 40 mV (family table for this group)
Measurement accuracy voltage: 0.1% + 80 mV (family table)

AC Input

Specifications

PARAMETER	VALUE
Nominal	100–240 Vac; 50/60 Hz
Range	85–265 Vac; 47–63 Hz
PF	0.99 at nominal input and rated power

Operational Notes

Prefer Keysight N5700 Series datasheet for full accuracy rows for N5768A.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.