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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N5764A - DC System Power Supply

Agilent Keysight N5764A System DC Power Supply The Agilent/Keysight N5764A is an N5700 Series single-output system DC power supply rated 20 V / 76 A / 1520 W in a 1U package. OEM N5700 Series datasheets list built-in V/I measurement, GPIB/LAN/USB (LXI Class C), universal 85 to 265 Vac input, and paralleling/series connection flexibility. ATE racks, design validation, and manufacturing DC bias needing compact 1U programmable power with LXI connectivity. CV Ripple Noise Peak To Peak: 60 mV (up to 20 MHz) The Agilent/Keysight N5764A is an N5700 Series single-output system DC power supply rated 20 V / 76 A / 1520 W in a 1U package. OEM N5700 Series datasheets list built-in V/I measurement, GPIB/LAN/USB (LXI Class C), universal 85 to 265 Vac input, and paralleling/series connection flexibility. ATE racks, design validation, and manufacturing DC bias needing compact 1U programmable power with LXI connectivity. CV Ripple Noise Peak To Peak: 60 mV (up to 20 MHz) CV Ripple Noise RMS: 8 mV (5 Hz to 1 MHz)



MODEL

**Agilent / Keysight
N5764A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N5764A

LISTING

<https://aumictechlabs.com/products/n5764a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N5764A is a, single-output DC power supply designed for automated test equipment (ATE) and general-purpose applications. Delivering up to 1200W, It has adjustable voltage and current settings to meet diverse testing needs. Its programmable interface allows for

seamless integration into automated systems, enhancing efficiency and accuracy. The compact 1U form factor maximizes rack space, making it ideal for high-density testing environments. Built for reliability and precision, the N5764A ensures consistent performance in demanding applications.

Features & description

From manufacturer datasheet

Built-in voltage and current measurement

OVP OCP OTP and UVL protection Analog programming and monitoring Technical Specifications
Model: N5764A DC Output Voltage: 20 V DC Output Current: 76 A DC Output Power: 1520 W CV Ripple
Noise Peak To Peak: 60 mV (up to 20 MHz) CV Ripple Noise RMS: 8 mV (5 Hz to 1 MHz) Load Effect
Voltage: 4 mV Load Effect Current: 20.2 mA Programming Accuracy Voltage: 0.05 percent + 10 mV
Programming Accuracy Current: 0.1 percent + 76 mA Measurement Accuracy Voltage: 0.1 percent + 20
mV Measurement Accuracy Current: 0.1 percent + 228 mA Overvoltage Protection Range: 1 to 24 V
Programming Resolution Voltage: 2.4 mV Programming Resolution Current: 9.12 mA CC Ripple Noise
RMS: 152 mA Remote Sense Compensation Per Lead: 1 V Load Transient Recovery Time: less than or
equal to 1 ms AC Input: 85 to 265 Vac 47 to 63 Hz universal Remote Interfaces: GPIB Ethernet LAN USB
2.0 LXI Compliance: LXI ClassC Form Factor: 1U 19 inch Command Response Time Class: 55 ms class
Series Family: Keysight N5700 Series Notes From Keysight N5700 Series System DC Power Supplies
data sheet model column for N5764A. Warranted over 0 to 40 C ambient unless noted.

N5764A Characteristics / Specifications

PARAMETER	VALUE
Model	N5764A
DC Output Voltage	20 V
DC Output Current	76 A
DC Output Power	1520 W
CV Ripple Noise Peak To Peak	60 mV (up to 20 MHz)
CV Ripple Noise RMS	8 mV (5 Hz to 1 MHz)
Load Effect Voltage	4 mV
Load Effect Current	20.2 mA
Programming Accuracy Voltage	0.05 percent + 10 mV
Programming Accuracy Current	0.1 percent + 76 mA
Measurement Accuracy Voltage	0.1 percent + 20 mV
Measurement Accuracy Current	0.1 percent + 228 mA
Overvoltage Protection Range	1 to 24 V
Programming Resolution Voltage	2.4 mV
Programming Resolution Current	9.12 mA
CC Ripple Noise RMS	152 mA
Remote Sense Compensation Per Lead	1 V
Load Transient Recovery Time	less than or equal to 1 ms
AC Input	85 to 265 Vac 47 to 63 Hz universal
Remote Interfaces	GPIB Ethernet LAN USB 2.0
LXI Compliance	LXI ClassCForm Factor: 1U 19 inch
Command Response Time Class	55 ms class
Series Family	Keysight N5700 Series

N5764A Specifications

PARAMETER	VALUE
Agilent Keysight N5764A System DC Power Supply	Overview
Applications	ATE racks, design validation, and manufacturing DC bias needing compact 1U programmable power with LXI connectivity.
Key Features	1U high density system DC supply
OVP OCP OTP and UVL protection	Analog programming and monitoring
Technical Specifications	Model: N5764A
Notes	From Keysight N5700 Series System DC Power Supplies data sheet model column for N5764A. Warranted over 0 to 40 C ambient unless noted.

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	N5764A
DC Output Voltage	20 V
DC Output Current	76 A
DC Output Power	1520 W
CV Ripple Noise Peak To Peak	60 mV (up to 20 MHz)
CV Ripple Noise RMS	8 mV (5 Hz to 1 MHz)
Load Effect Voltage	4 mV
Load Effect Current	20.2 mA
Programming Accuracy Voltage	0.05 percent + 10 mV
Programming Accuracy Current	0.1 percent + 76 mA
Measurement Accuracy Voltage	0.1 percent + 20 mV
Measurement Accuracy Current	0.1 percent + 228 mA
Overvoltage Protection Range	1 to 24 V
Programming Resolution Voltage	2.4 mV
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CC Ripple Noise RMS	152 mA
Remote Sense Compensation Per Lead	1 V
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Remote Interfaces	GPIO Ethernet LAN USB 2.0
LXI Compliance	LXI ClassCForm Factor: 1U 19 inch
Command Response Time Class	55 ms class
Series Family	Keysight N5700 Series
Notes	
From Keysight N5700 Series System DC Power Supplies data sheet model column for N5764A. Warranted over 0 to 40 C ambient unless noted.	

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.