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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N6761A Precision DC Power Module, 50V, 1.5A, 50W

Agilent Keysight N6761A Precision DC Power Module The Agilent/Keysight N6761A is a precision DC power module for N6700/N6705 mainframes rated 50 V / 1.5 A / 50 W. OEM datasheets list multiple output and measurement ranges with best accuracy figures shown for the highest range, plus low-current measurement capability on N6761A/N6762A. Precision bias and characterization rails needing tighter programming and readback accuracy than basic N673x/N674x modules. Optional 200 uA measurement range on N6761A/N6762A Option 2UA

The Agilent/Keysight N6761A is a precision DC power module for N6700/N6705 mainframes rated 50 V / 1.5 A / 50 W. OEM datasheets list multiple output and measurement ranges with best accuracy figures shown for the highest range, plus low-current measurement capability on N6761A/N6762A. Precision bias and characterization rails needing tighter programming and readback accuracy than basic N673x/N674x modules. Optional 200 uA measurement range on N6761A/N6762A Option 2UA DC Output Voltage Highest Range: 0 to 50 V



MODEL

**Agilent / Keysight
N6761A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6761A

LISTING

<https://aumictechlabs.com/products/n6761a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N6761A is a precision DC power module ideal for ATE systems and benchtop applications requiring accurate and reliable power. This module is part of the N6700 series,

known for its modularity and high performance. It has programmable voltage and current settings, tailor the power output to their specific needs. Integrated protection features safeguard both the module and the device under test from damage due to overvoltage or overcurrent conditions. The N6761A provides stable and clean power, ensuring accurate and repeatable test results.

N6761A Characteristics / Specifications

PARAMETER	VALUE
Model	N6761A
DC Output Voltage Highest Range	0 to 50 V
DC Output Current Highest Range	0 to 1.5 A
DC Output Power	50 W
Ripple Noise Voltage Peak To Peak Highest Range	4.5 mV
Ripple Noise Voltage RMS Highest Range	0.35 mV
Voltage Programming Accuracy Highest Range	0.016 percent + 6 mV
Current Programming Accuracy Highest Range	0.04 percent + 0.2 mA
Voltage Measurement Accuracy Highest Range	0.016 percent + 6 mV
Current Measurement Accuracy Highest Range	0.04 percent + 0.16 mA
Mainframe Compatibility	N6700 and N6705 series
Slot Occupancy	1 of 4 slots
Voltage Or Current Turn On Priority	N6761A and N6762A
Low Voltage And Current Output Ranges	N6761A and N6762A
Series Family	Keysight N676x precision modules
Autoranging Output	N6761A and N6762A Yes
PARD Bandwidth	20 Hz to 20 MHz
Programming Accuracy Temperature	23 C plus or minus 5 C after 30 minute warm-up
Current Derating Above 40 C	1 percent perCMultiple Ranges Note: OEM table shows highest-range values
Compatible Mainframes	N6700B N6701A N6702A N6705A N6705B N6705C
Output Isolation	floating isolated from chassis ground class family
Measurement Data Points Default	1024 class family

PARAMETER	VALUE
Power Management	mainframe allocates power when module sum exceeds rating
Bandwidth	20 Hz to 20 MHz

N6761A Specifications

PARAMETER	VALUE
Agilent Keysight N6761A Precision DC Power Module	Overview
Applications	Precision bias and characterization rails needing tighter programming and readback accuracy than basic N673x/N674x modules.
Precision DC power module	Slot occupancy 1 of 4
Arbitrary waveform generation capable	Optional 200 uA measurement range on N6761A/N6762A Option 2UA
Technical Specifications	Model: N6761A

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	N6761A
DC Output Voltage Highest Range	0 to 50 V
DC Output Current Highest Range	0 to 1.5 A
DC Output Power	50 W
Ripple Noise Voltage Peak To Peak Highest Range: 4.5 mV	
Specifications	
PARAMETER	VALUE
Ripple Noise Voltage RMS Highest Range	0.35 mV
Voltage Programming Accuracy Highest Range	0.016 percent + 6 mV
Current Programming Accuracy Highest Range	0.04 percent + 0.2 mA
Voltage Measurement Accuracy Highest Range	0.016 percent + 6 mV
Current Measurement Accuracy Highest Range	0.04 percent + 0.16 mA
Mainframe Compatibility	N6700 and N6705 series
Slot Occupancy	1 of 4 slots
Voltage Or Current Turn On Priority	N6761A and N6762A
Low Voltage And Current Output Ranges	N6761A and N6762A
Series Family	Keysight N676x precision modules
Autorangeing Output	N6761A and N6762A Yes
PARD Bandwidth	20 Hz to 20 MHz
Programming Accuracy Temperature	23 C plus or minus 5 C after 30 minute warm-up
Current Derating Above 40 C	1 percent perCMultiple Ranges Note: OEM table shows highest-range values
Compatible Mainframes	N6700B N6701A N6702A N6705A N6705B N6705C
Output Isolation	floating isolated from chassis ground class family

Optional Output Disconnect Relays: Option 761

Optional Polarity Reversal Relays: Option 760 where available

Measurement Data Points Default: 1024 class family

Power Management: mainframe allocates power when module sum exceeds rating

Notes

From Keysight N6700 Modular Power System Family Data Sheet precision module row for N6761A. Values shown are for the highest range; lower ranges have tighter offsets per Specifications Guide.

Ordering Information

OPTION	DESCRIPTION
Option 761	Optional Polarity Reversal Relays: Option 760 where available

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.