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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N6775A 60 V, 5 A, 300 W DC power module

Keysight (Agilent) N6775A 60 V, 5 A, 300 W DC Power Module The Keysight N6775A is an N6700 Series basic DC power module rated 60 V / 5 A / 300 W for N6700 low-profile modular power systems and N6705 DC Power Analyzer mainframes. One-slot module with programmable V/I, measurement, and protection at an economical price point. Modular multi-rail ATE; fixture control power; bench multi-output systems in N6700/N6705 mainframes. The Keysight N6775A is an N6700 Series basic DC power module rated 60 V / 5 A / 300 W for N6700 low-profile modular power systems and N6705 DC Power Analyzer mainframes. One-slot module with programmable V/I, measurement, and protection at an economical price point. Modular multi-rail ATE; fixture control power; bench multi-output systems in N6700/N6705 mainframes.



MODEL

**Keysight / Agilent
N6775A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6775A

LISTING

<https://aumictechlabs.com/products/n6775a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N6775A is a 300 W DC power module engineered for integration into the N6700 Low-Profile Modular Power System or N6705 DC Power Analyzer. It delivers programmable voltage and current output with built-in measurement and protection capabilities, enabling efficient power delivery to devices under test or ATE system resources such as fixture control

circuits. Technical Specifications Output Ratings Voltage: 0 to 60 V Current: 0 to 5 A Power: 300 W maximum Programming Accuracy (23°C ±5°C) Voltage Programming: 0.1% + 60 mV Current Measurement Readback: 0.15% + 60 mA Ripple and Noise (20 Hz to 20 MHz) Constant Voltage RMS: 35 mV Constant Voltage Peak-to-Peak: 9 mV Constant Current RMS: 6 mA Key Features Single-slot module design (1U rack height) Fast programming - up to 50 times faster than conventional power supplies Overvoltage, overcurrent, and overtemperature protection Integrated measurement functionality combining power supply, digital multimeter, oscilloscope, arbitrary waveform generator, and data logger capabilities Four-wire remote sense support for accurate voltage regulation Standard connectivity: GPIB (IEEE-488), LAN, USB, and LXI Class C compliance Typical Applications Component and subsystem characterization ATE fixture and control circuit power Device under test (DUT) powering in test and validation environments Multi-channel power distribution via N6700 series mainframe integration Compatibility & Integration The N6775A slots into N6700 and N6701A/N6702A Low-Profile Modular Power Systems, and the N6705 DC Power Analyzer. It operates alongside other N6700 series modules (N6730, N6740, N6750, N6760, N6770, N6780, N6790 families) within a single mainframe, enabling flexible multi-output configurations. Optional Accessories Option 054: High-Speed Test Extensions Option 760: Output Disconnect and Polarity Reversal Relays Option 761: Output Disconnect Relays

Features & description

From manufacturer datasheet

Features

- 60 V / 5 A / 300 W • One-slot N6700 / N6705 module • Programming accuracy: 0.1% + 60 mV (V); 0.15% + 60 mA (I) at 23 °C ±5 °C after warm-up • Ripple & noise (20 Hz–20 MHz): 35 mV p-p / 9 mV rms (CV); 6 mA rms (CC) • Optional 761 output disconnect / 760 disconnect + polarity reversal • Host provides GPIB/LAN/USB/LXI

N6775A Characteristics / Specifications

PARAMETER	VALUE
Model	N6775A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Modular DC Power Module
Family	N6700 Series basic performance (N677xA 300 W)
Alias	N6775A DC Output Ratings
Voltage	0.1% + 60 mV; Current: 0.15% + 12 mA Host Requires N6700-series MPS or N6705 DC Power Analyzer mainframe Operational Notes Prefer Keysight N6700 Series Specifications Guide / basic module datasheet for full option tables.
Current	0.15% + 60 mA Ripple and Noise (20 Hz to 20 MHz)
Power	300 W Programming Accuracy (23 °C ±5 °C after 30 min warm-up)
CV rms	9 mV
CC rms (PARD)	6 mA Load Effect
Programming accuracy	0.1% + 60 mV (V); 0.15% + 60 mA (I) at 23 °C ±5 °C after warm-up
Ripple & noise (20 Hz–20 MHz)	35 mV p-p / 9 mV rms (CV); 6 mA rms (CC)

N6775A Specifications

PARAMETER	VALUE
Applications	Modular multi-rail ATE; fixture control power; bench multi-output systems in N6700/N6705 mainframes.
Key Features	- 60 V / 5 A / 300 W
Technical Specifications	Model: N6775A
DC Output Ratings	Voltage: 0 to 60 V
Ripple and Noise (20 Hz to 20 MHz)	CV peak-to-peak: 35 mV
Load Effect	Voltage: 24 mV; Current: 6 mA (max 1 V load-lead drop per lead)
Measurement Accuracy (family table class)	Voltage: 0.1% + 60 mV; Current: 0.15% + 12 mA
Host	Requires N6700-series MPS or N6705 DC Power Analyzer mainframe
Operational Notes	Prefer Keysight N6700 Series Specifications Guide / basic module datasheet for full option tables.

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	N6775A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Modular DC Power Module
Family	N6700 Series basic performance (N677xA 300 W)
Alias	N6775A
DC Output Ratings	
Specifications	
PARAMETER	VALUE
Voltage	0 to 60 V
Current	0 to 5 A (derated 1% per °C above 40 °C)
Power	300 W
Programming Accuracy (23 °C ±5 °C after 30 min warm-up)	
Voltage: 0.1% + 60 mV	
Current: 0.15% + 60 mA	
Ripple and Noise (20 Hz to 20 MHz)	
CV peak-to-peak: 35 mV	
CV rms: 9 mV	
CC rms (PARD): 6 mA	
Load Effect	
Voltage: 24 mV; Current: 6 mA (max 1 V load-lead drop per lead)	
Measurement Accuracy (family table class)	
Voltage: 0.1% + 60 mV; Current: 0.15% + 12 mA	
Host	
Requires N6700-series MPS or N6705 DC Power Analyzer mainframe	
Operational Notes	
Prefer Keysight N6700 Series Specifications Guide / basic module datasheet for full option tables.	

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.