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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Keysight N6775A DC Power Module, 60V, 5A, 300W

Agilent Keysight N6755A High-Performance Autoranging DC Power Module The Agilent/Keysight N6755A is a high-performance autoranging DC power module for N6700/N6705 mainframes rated 20 V / 50 A / 500 W. OEM datasheets list low ripple noise and autoranging output in a double-wide (2-slot) form factor. ATE and R&D rails needing autoranging flexibility at 500 W with high-performance noise and accuracy. Low ripple and noise versus basic modules The Agilent/Keysight N6755A is a high-performance autoranging DC power module for N6700/N6705 mainframes rated 20 V / 50 A / 500 W. OEM datasheets list low ripple noise and autoranging output in a double-wide (2-slot) form factor. ATE and R&D rails needing autoranging flexibility at 500 W with high-performance noise and accuracy. Low ripple and noise versus basic modules Optional output disconnect relays Option 761



MODEL

**Agilent / Keysight
N6755A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N6755A

LISTING

<https://aumictechlabs.com/products/n6755a-3/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent N6755A is a, high-power DC power module the N6700 Modular Power System family. This module delivers exceptional precision and control, making it suitable for automated test equipment (ATE) and bench-top applications where accurate and reliable DC power is critical. The N6755A features fast command processing, output sequencing, and advanced programmable

features, ensuring it can meet the demands of complex and rapidly changing test requirements. It has a wide range of voltage and current settings, allowing users to tailor the power output to specific device requirements. The module also includes built-in protection features such as over-voltage and over-current protection to safeguard sensitive devices under test. With its solid design and comprehensive feature set, the Agilent N6755A provides a dependable solution for demanding power supply applications.

N6755A Characteristics / Specifications

PARAMETER	VALUE
Model	N6755A
DC Output Voltage	0 to 20 V
DC Output Current	0 to 50 A
DC Output Power	500 W
Ripple Noise Voltage Peak To Peak	5 mV
Ripple Noise Voltage RMS	1 mV
Voltage Programming Accuracy	0.06 percent + 10 mV
Current Programming Accuracy	0.1 percent + 30 mA
Voltage Measurement Accuracy	0.05 percent + 10 mV
Current Measurement Accuracy	0.1 percent + 30 mA
Mainframe Compatibility	N6700 and N6705 series
Slot Occupancy	2 of 4 slots
Autoranging Output	Yes
Arbitrary Waveform Generation	Yes
Series Family	Keysight N675x high-performance modules
Module Power Class	500 W high-performance
Sibling N6751A	50 V / 5 A / 50 W single-slot
Sibling N6752A	50 V / 10 A / 100 W single-slot
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 perCMeasurement Data Points Default: 1024 class family
Output Isolation	floating isolated from chassis ground class family
Compatible Mainframes	N6700B N6701A N6702A N6705A N6705B N6705C
Power Management	mainframe allocates power when module sum exceeds rating
Digital IO Triggers	supported via mainframe class family

PARAMETER	VALUE
Series Sibling Single Slot	N6751A N6752A
Bandwidth	20 Hz to 20 MHz

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.

Performance Autoranging DC Power Module

Overview

The Agilent/Keysight N6755A is a high-performance autoranging DC power module for N6700/N6705 mainframes rated 20 V / 50 A / 500 W. OEM datasheets list low ripple noise and autoranging output in a double-wide (2-slot) form factor.

Applications

ATE and R&D rails needing autoranging flexibility at 500 W with high-performance noise and accuracy.

Key Features

High-performance autoranging DC module
Double-wide module occupies 2 slots
Arbitrary waveform generation capable
Low ripple and noise versus basic modules
Optional output disconnect relays Option 761

Technical Specifications

Technical Specifications

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Arbitrary Waveform Generation	Yes
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Module Power Class	500 W high-performance
Sibling N6751A	50 V / 5 A / 50 W single-slot
Sibling N6752A	50 V / 10 A / 100 W single-slot

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Notes

From Keysight N6700 Modular Power System Family Data Sheet row for N6755A. Double-wide modules reduce available slots for other modules.

Ordering Information

OPTION	DESCRIPTION
Option 761	Technical Specifications

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.