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Data Sheet
August 14, 2026

AGILENT / KEYSIGHT

Agilent N6734B DC Power Module, 20V 5A 100W

Agilent Keysight N6734B Basic DC Power Module 35 V 1.5 A 52.5 W The Agilent/Keysight N6734B is a 50 W basic DC power module for N6700/N6705 mainframes rated 0 to 35 V / 0 to 1.5 A / 52.5 W. OEM N6700 Modular Power System Family datasheets list ripple noise programming accuracy and measurement accuracy for this model row. ATE and R&D DC rails needing 52.5 W at up to 35 V inasingle N6700/N6705 slot. Optional output disconnect relays Option 761 The Agilent/Keysight N6734B is a 50 W basic DC power module for N6700/N6705 mainframes rated 0 to 35 V / 0 to 1.5 A / 52.5 W. OEM N6700 Modular Power System Family datasheets list ripple noise programming accuracy and measurement accuracy for this model row. ATE and R&D DC rails needing 52.5 W at up to 35 V inasingle N6700/N6705 slot. Optional output disconnect relays Option 761 Compatible with N6700 and N6705 mainframes

MODEL **Agilent / Keysight N6734B**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **N6734B**	LISTING **https://aumictechlabs.com/products/n6734b-3/**

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NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N6734B is a modular DC power module designed for integration into N6700 series modular power systems. It has precise and stable DC power with fast programming and readback capabilities. This module is suitable for automated test equipment (ATE) systems, research and development, and demanding benchtop applications requiring accurate and reliable

power sourcing. Its features include programmable voltage and current limits, overvoltage and overcurrent protection, and remote sensing to ensure accurate delivery of power to the load.

N6734B Characteristics / Specifications

PARAMETER	VALUE
Model	N6734B
DC Output Voltage	0 to 35 V
DC Output Current	0 to 1.5 A
DC Output Power	52.5 W
Ripple Noise Voltage Peak To Peak	15 mV
Ripple Noise Voltage RMS	5 mV
Voltage Programming Accuracy	0.1 percent + 35 mV
Current Programming Accuracy	0.15 percent + 20 mA
Voltage Measurement Accuracy	0.1 percent + 35 mV
Current Measurement Accuracy	0.15 percent + 4 mA
Mainframe Compatibility	N6700 and N6705 series
Slot Occupancy	1 of 4 slots
Arbitrary Waveform Generation	Yes
Output Disconnect Relays Option	Option 761
Polarity Reversal Relays Option	Option 760 (current limited on some models per OEM note)
Series Family	Keysight N6700 basic DC modules
Module Class	50 W basic
PARD Bandwidth	20 Hz to 20 MHz
Programming Accuracy Temperature	23 C plus or minus 5 C after 30 minute warm-up class family
Load Effect Voltage	11 mV
Load Effect Current	2 mA
Source Effect Voltage	4 mV
Source Effect Current	1 mA
Load Transient Recovery Time	less than 200 us
Measurement Data Points Default	1024

PARAMETER	VALUE
Measurement Time Interval Default	20.48 us
Current Derating Above 40 C	1 percent perCOutput Isolation: floating isolated from chassis ground class family
Bandwidth	20 Hz to 20 MHz
Output isolation	floating isolated from chassis ground class family

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 DC power module
Occupies one mainframe slot
Arbitrary waveform generation capable
Optional output disconnect relays Option 761
Compatible with N6700 and N6705 mainframes

Technical Specifications

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Notes
From Keysight N6700 Modular Power System Family Data Sheet DC Power Module Key Performance Specifications row for N6734B. Option 760 limits output current to 10 A maximum on N6773A per OEM note.

Ordering Information

OPTION	DESCRIPTION
Option 761	Compatible with N6700 and N6705 mainframes
Option 760	limits output current to 10 A maximum on N6773A per OEM note.

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

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