

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N4696B Electronic Calibration Module, 300 kHz to 18 GHz

Keysight / Agilent N4696B Electronic Calibration Module (ECal), 7 mm The N4696B is a 2-port microwave ECal module with 7 mm connectors covering 300 kHz to 18 GHz. Part of the N469xB microwave ECal family for single-connection VNA calibration. The N4696B is a 2-port microwave ECal module with 7 mm connectors covering 300 kHz to 18 GHz. Part of the N469xB microwave ECal family for single-connection VNA calibration.



MODEL

**Keysight / Agilent
N4696B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N4696B

LISTING

[https://aumictechlabs.c
om/products/n4696b-
2/](https://aumictechlabs.com/products/n4696b-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N4696B Electronic Calibration Module delivers fast, accurate two-port VNA calibration across 300 kHz to 18 GHz in a single connection. This USB-controlled ECal unit replaces mechanical calibration kits, eliminating operator error while reducing setup time and connector wear. Solid-state switching ensures reliable performance with NIST-traceable accuracy comparable to traditional standards. Direct integration with Keysight PNA and ENA series analyzers - controlled from the instrument's front panel without external PC - makes it ideal for automated test environments and field applications where measurement repeatability and minimal downtime are essential. Technical Specifications Frequency Range: 300 kHz to 18 GHz Directivity

Performance: 30 dB (300 kHz to 2 MHz) 40 dB (2 MHz to 10 MHz) 46 dB (10 MHz to 500 MHz) 45 dB (500 MHz to 2 GHz) Calibration: Full two-port with single connection; NIST-traceable accuracy Ports: 2-port configuration Connector: 7 mm Interface: USB with direct instrument control Operating Temperature: +20 °C to +26 °C Key Features Solid-state switching for repeatable, reliable calibrations Single-connection two-port ECal eliminates traditional kit complexity No external computer required - front-panel control via connected analyzer Compact design reduces physical footprint and connector wear Electronic calibration accuracy matches mechanical standards Typical Applications Automated production test systems Field-portable VNA calibration High-frequency component characterization Rapid-turnaround measurement labs Compatibility & Integration Works exclusively with Keysight PNA and ENA series network analyzers. USB connectivity enables seamless instrument integration without external hardware or software layers.

Features & description

From manufacturer datasheet

Features

• Ports: 2 • Frequency range: 300 kHz to 18 GHz • Connector type: 7 mm • Connector options: no gender option codes (7 mm APC-7 class; OEM "No Connector Option") • Module PNs class: N4694-60001 / 60002 / 60003 family markings • Calibration: electronic multiport states, single connection • Interface: USB (modern hosts) / legacy ECal interface per analyzer • Family: N469xB microwave ECal (replaces older 8506x lineage)

Applications

• Full 2-port electronic calibration of VNAs • 7 mm connector DUT / test-port calibration • Reduced mechanical standard wear

N4696B Characteristics / Specifications

PARAMETER	VALUE
Model	N4696B
Manufacturer	Keysight / Agilent
Instrument Type	2-Port Electronic Calibration Module
Alias	N4696B; Agilent N4696B; Keysight N4696B
Frequency range	300 kHz to 18 GHz
Ports	2
Connector	7 mm
Calibration	2-port ECal Notes Specs from Keysight legacy ECal reference guide (N4696B row). Confirm connector condition and calibration certificate on the module.
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Interface	USB (modern hosts) / legacy ECal interface per analyzer
Family	N469xB microwave ECal (replaces older 8506x lineage)

N4696B Specifications

PARAMETER	VALUE
Applications	- Full 2-port electronic calibration of VNAs
Key Features	- Ports: 2
Technical Specifications	Model: N4696B
Notes	Specs from Keysight legacy ECal reference guide (N4696B row). Confirm connector condition and calibration certificate on the module.

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	N4696B
Manufacturer	Keysight / Agilent
Instrument Type	2-Port Electronic Calibration Module
Alias	N4696B; Agilent N4696B; Keysight N4696B

Specifications

PARAMETER	VALUE
Frequency range	300 kHz to 18 GHz
Ports	2
Connector	7 mm
Calibration	2-port ECal

Notes

Specs from Keysight legacy ECal reference guide (N4696B row). Confirm connector condition and calibration certificate on the module.

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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<https://aumictechlabs.com>

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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.