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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N4692A Electronic Calibration Module, 10 MHz to 40 GHz

Keysight (Agilent) N4692A Electronic Calibration Module, 10 MHz to 40 GHz The Keysight/Agilent N4692A is a 2-port microwave electronic calibration (ECal) module with 2.92 mm connectors covering 10 MHz to 40 GHz. Characterized standards in module memory enable fast automated VNA calibration via USB (PNA/ENA) or 85097B interface on older 8753/8720 analyzers. 2-port 2.92 mm VNA calibration to 40 GHz; production and R&D S-parameter setup. The Keysight/Agilent N4692A is a 2-port microwave electronic calibration (ECal) module with 2.92 mm connectors covering 10 MHz to 40 GHz. Characterized standards in module memory enable fast automated VNA calibration via USB (PNA/ENA) or 85097B interface on older 8753/8720 analyzers. 2-port 2.92 mm VNA calibration to 40 GHz; production and R&D S-parameter setup.



MODEL

**Keysight / Agilent
N4692A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N4692A

LISTING

<https://aumictechlabs.com/products/n4692a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight (Agilent) N4692A Electronic Calibration Module delivers full two-port VNA calibration across 10 MHz to 40 GHz using solid-state electronic impedance standards. A single connection performs what traditional mechanical methods require multiple setups to accomplish,

cutting calibration time by more than half. USB control integrates directly with PNA and ENA series analyzers, while backward compatibility with 8753E/ES/ET and 8720D/ES/ET models is available through an optional 85097B interface kit. NIST-traceable standards and minimal operator interaction reduce connector wear and measurement uncertainty. Technical Specifications

Frequency Range: 10 MHz to 40 GHz Ports: 2-port configuration Connector Type: 2.92 mm Calibration Method: Full two-port calibration with single connection Interface: USB (direct control with PNA and ENA series) Standards: Fully traceable and verifiable electronic impedance standards, NIST traceable Switching: Solid-state technology Operating Temperature: +20 to +26 °C

Key Features Performs full two-port calibration in less than half the time of mechanical cal kits Comparable measurement accuracy to traditional mechanical methods Solid-state switching eliminates connector wear from repeated connections Minimal operator interaction reduces setup errors Straight-forward non-insertable device calibration User characterization capability available

Compatibility & Integration Direct USB control: Keysight PNA and ENA series VNAs Legacy support: 8753E/ES/ET and 8720D/ES/ET analyzers with optional 85097B interface kit

Available Configurations Connector options include F-M, F-F, and M-M adapters on 2.92 mm connectors. Standard packaging includes wooden storage box, spanner wrenches, and USB drive with software and documentation.

Features & description

From manufacturer datasheet

Features

- Frequency: 10 MHz to 40 GHz
- Connectors: 2.92 mm
- Ports: 2
- Connector sex options: M0F, M0M, F0F (00A/00F/00M class options)
- USB control on PNA/ENA; 85097B path for legacy VNAs
- NIST-traceable characterized electronic standards

N4692A Characteristics / Specifications

PARAMETER	VALUE
Model	N4692A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Electronic Calibration Module (ECal)
Alias	N4692A; Agilent N4692A RF
Frequency Coverage	10 MHz to 40 GHz
Connector Type	2.92 mm
Ports	2 Example residual after ECal (with N5224A Opt 200 class; published tables)
Directivity / source match / tracking	frequency-banded (e.g. midband directivity ~42–45 dB class; see ECal overview tables) Operational Notes Do not confuse with N4692D (later D-revision). Prefer Keysight microwave ECal overview / N469xA literature.
Frequency	10 MHz to 40 GHz
Connectors	2.92 mm
Connector sex options	M0F, M0M, F0F (00A/00F/00M class options)

N4692A Specifications

PARAMETER	VALUE
Applications	2-port 2.92 mm VNA calibration to 40 GHz; production and R&D S-parameter setup.
Key Features	- Frequency: 10 MHz to 40 GHz
Technical Specifications	Model: N4692A
Operational Notes	Do not confuse with N4692D (later D-revision). Prefer Keysight microwave ECal overview / N469xA literature.

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	N4692A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Electronic Calibration Module (ECal)
Alias	N4692A; Agilent N4692A

RF

Specifications

PARAMETER	VALUE
Frequency Coverage	10 MHz to 40 GHz
Connector Type	2.92 mm
Ports	2

Example residual after ECal (with N5224A Opt 200 class; published tables)

Directivity / source match / tracking: frequency-banded (e.g. midband directivity ~42-45 dB class; see ECal overview tables)

Operational Notes

Do not confuse with N4692D (later D-revision). Prefer Keysight microwave ECal overview / N469xA literature.

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.