

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) N4692D Electronic Calibration Module

Agilent / Keysight N4692D Electronic Calibration Module 2.92 mm to 40 GHz The Keysight N4692D isaprecision 2-port microwave electronic calibration (ECal) module with 2.92 mm connectors covering 10 MHz to 40 GHz (Option 100) or DC to 40 GHz (Option 0DC). Characterized standards are stored in the module and controlled via USB from Keysight VNAs for fast, repeatable full two-port calibrations with fewer connections than mechanical kits. Full 2-port VNA calibration to 40 GHz; production and R&D S-parameter setup; broadband device modeling and enhanced time-domain / signal-integrity analysis when Option 0DC is fitted; reducing connector wear versus mechanical open/short/load/thru kits. The Keysight N4692D isaprecision 2-port microwave electronic calibration (ECal) module with 2.92 mm connectors covering 10 MHz to 40 GHz (Option 100) or DC to 40 GHz (Option 0DC). Characterized standards are stored in the module and controlled via USB from Keysight VNAs for fast, repeatable full two-port calibrations with fewer connections than mechanical kits. Full 2-port VNA calibration to 40 GHz; production and R&D S-parameter setup; broadband device modeling and enhanced time-domain / signal-integrity analysis when Option 0DC is fitted; reducing connector wear versus mechanical open/short/load/thru kits.



MODEL

**Keysight / Agilent
N4692D**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N4692D

LISTING

<https://aumictechlabs.com/products/n4692d-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight N4692D Electronic Calibration Module delivers precision one-port and two-port VNA calibration without mechanical contact wear or repetitive user setup. This ECal module connects directly to Keysight vector network analyzers via USB, auto-detecting firmware and eliminating external PC requirements. It reduces calibration time, connector degradation, and operator error while maintaining high accuracy across broadband measurements.

Technical Specifications

- Calibration Architecture 2-port electronic calibration (ECal)
- 2.92 mm connectors (male/male, female/female, male/female configurations)
- USB control interface with direct VNA integration
- Frequency Performance 10 MHz to 40 GHz standard DC to 40 GHz optional (Option 0DC)

Key Features

- Eliminates mechanical calibration kit contact wear, reducing port connector damage
- Direct VNA control minimizes user interaction and calibration setup time
- Automatic firmware recognition upon connection
- High-accuracy, repeatable calibration performance
- Broadband device modeling capability, especially with DC-coupled option
- Time-domain and signal-integrity measurement support via extended DC coupling

Typical Applications

- Component and device characterization across microwave frequencies
- Broadband S-parameter measurements (with Option 0DC)
- Field deployments requiring rapid, portable calibration
- Production and R&D environments where connector longevity is critical

Compatibility & Integration

The N4692D integrates with Keysight ENA Series, PNA Series, PXI VNA platforms, and FieldFox handheld RF/microwave analyzers. Compatibility varies by instrument model; consult your VNA documentation for specific support details. Included storage case protects the module and accessories during transport and storage.

Features & description

From manufacturer datasheet

Features

- Frequency: 10 MHz to 40 GHz (Opt 100) or DC to 40 GHz (Opt 0DC)

N4692D Characteristics / Specifications

PARAMETER	VALUE
Model	N4692D
Manufacturer	Keysight / Agilent
Instrument Type	2-port microwave electronic calibration module (ECal)
Alias	N4692D; Keysight N4692D; Agilent N4692D
Frequency Coverage Option 1	10 MHz to 40 GHz
Frequency Coverage Option 0DC	DC to 40 GHz
Ports	2
Connector Type	2.92 mm
Impedance	50 ohm
Connector Sex Options	M0M (male/male); F0F (female/female); M0F (male/female)
Control Interface	USB from Keysight VNA firmware
Calibration Type	Automated full two-port ECal
Standards	Characterized electronic standards in module memory
Switching	Solid-state
Traceability	NIST-traceable factory characterization class
Compatible Analyzer Families	ENA, PNA, PXI VNA, FieldFox (USB ECal)
Storage	Plastic case for module and accessories
Series Family	N469xD microwave ECal
Compared Sibling	N4691D (3.5 mm to 26.5 GHz); N4693D (2.4 mm to 50 GHz) Notes Specs from Keysight N469xD ECal reference guide 9018-04501 and N4692D product literature. Confirm Option 100 vs 0DC and connector gender (M0M/F0F/M0F) on the module label.
Frequency	10 MHz to 40 GHz (Opt 100) or DC to 40 GHz (Opt 0DC)
Connectors	2.92 mm, 50 ohm
Gender options	M0M, F0F, M0F

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	N4692D
Manufacturer	Keysight / Agilent
Instrument Type	2-port microwave electronic calibration module (ECal)
Specifications	
PARAMETER	VALUE
Alias	N4692D; Keysight N4692D; Agilent N4692D
Frequency Coverage Option 100	10 MHz to 40 GHz
Frequency Coverage Option 0DC	DC to 40 GHz
Specifications	
PARAMETER	VALUE
Ports	2
Connector Type	2.92 mm
Impedance	50 ohm
Specifications	
PARAMETER	VALUE
Connector Sex Options	M0M (male/male); F0F (female/female); M0F (male/female)
Control Interface	USB from Keysight VNA firmware
Calibration Type	Automated full two-port ECal
Specifications	
PARAMETER	VALUE
Standards	Characterized electronic standards in module memory
Switching	Solid-state
Traceability	NIST-traceable factory characterization class

Specifications

PARAMETER	VALUE
Compatible Analyzer Families	ENA, PNA, PXI VNA, FieldFox (USB ECal)
Storage	Plastic case for module and accessories
Series Family	N469xD microwave ECal

Compared Sibling: N4691D (3.5 mm to 26.5 GHz); N4693D (2.4 mm to 50 GHz)

Notes

Specs from Keysight N469xD ECal reference guide 9018-04501 and N4692D product literature. Confirm Option 100 vs 0DC and connector gender (M0M/F0F/M0F) on the module label.

Ordering Information

OPTION	DESCRIPTION
Option 100	vs ODC and connector gender (MOM/FOF/MOF) on the module label.

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
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.