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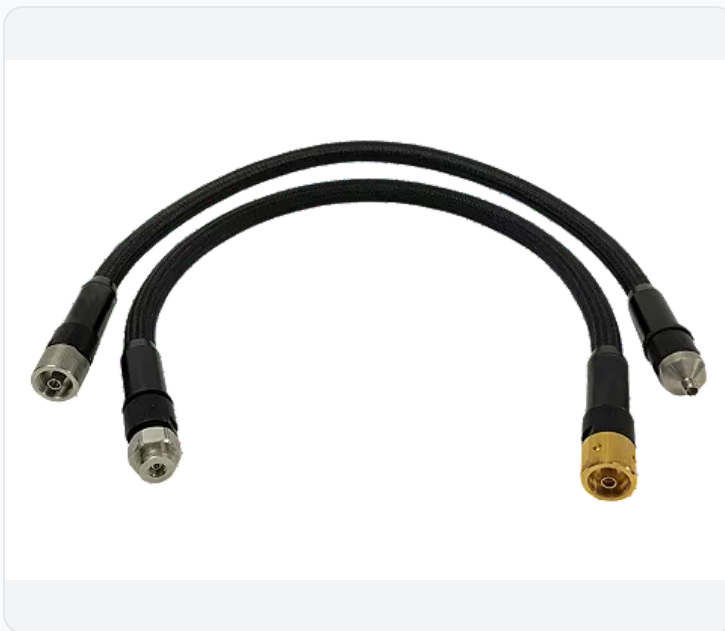
Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight N4697K

Keysight N4697K Microwave ECal Module Family Configuration The Keysight N4697K is a microwave electronic calibration (ECal) module configuration in the N469x 2-port ECal family (N4691/N4692/N4693/N4694 3.5 mm/2.92 mm/2.4 mm/1.85 mm). OEM N469x ECal data sheets cover 300 kHz to 26.5/40/50/67 GHz by connector; N4697K denotes a K-suffix configuration of that microwave ECal family. Two-port electronic calibration of PNA/ENA microwave VNAs. Instrument Type: Microwave electronic calibration module The Keysight N4697K is a microwave electronic calibration (ECal) module configuration in the N469x 2-port ECal family (N4691/N4692/N4693/N4694 3.5 mm/2.92 mm/2.4 mm/1.85 mm). OEM N469x ECal data sheets cover 300 kHz to 26.5/40/50/67 GHz by connector; N4697K denotes a K-suffix configuration of that microwave ECal family. Two-port electronic calibration of PNA/ENA microwave VNAs. Instrument Type: Microwave electronic calibration module Literature: N469x ECal family / N4697K configuration



MODEL

**Agilent / Keysight
N4697K**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N4697K

LISTING

<https://aumictechlabs.com/products/n4697k-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight N4697K is an electronic calibration (ECal) module designed to automate VNA calibration procedures. It delivers traceable, repeatable calibration performance while significantly reducing calibration time compared to mechanical kits. The module operates at 50 Ohms nominal impedance and supports full two-port calibration methods including SOLT (Short,

Open, Load, Through) and transmission line calibration. Technical Specifications Product Type: Electronic Calibration (ECal) Module Impedance: 50 Ohms nominal Calibration Methods: Full two-port calibration (SOLT) Transmission Line (TL) calibration Specialized calibration types as supported by host VNA Data Interface: USB or specialized VNA interface for automated control Key Features Eliminates manual calibration intervention and associated errors Provides traceable calibration standards with repeatable performance Compact, all-in-one solution reducing setup complexity Significantly faster than traditional mechanical calibration kits Typical Applications The N4697K serves R&D environments, manufacturing test floors, and field service operations where accurate and efficient VNA calibration is essential. Its automation capabilities minimize downtime and human error in high-throughput testing scenarios. Compatibility & Integration The module integrates with VNAs through USB or dedicated control interfaces. RF connection to the VNA's test ports uses standard connectors. Return loss and insertion loss performance of internal standards (Short, Open, Load, Through) define calibration accuracy specifications. The module's compact form factor suits both benchtop and portable deployment models.

N4697K Characteristics / Specifications

PARAMETER	VALUE
Model	N4697K
Instrument Type	Microwave electronic calibration module
Family	N469× 2-port ECal
Related N46	3.5 mm to 26.5 GHz class
Interface	USB ECal
Ports	2
Manufacturer	Keysight Agilent
Form Factor	ECal module
Literature	N469x ECal family / N4697K configuration
Use Case	2-port microwave SOLT
Operating Temperature Class	20 C to 30 C ECal
Storage Temperature Class	minus 40 C to plus 70 C
Power	from analyzer USB/ECal
Calibration Data	stored in module
Recertification	annual class
Host Analyzers	PNA ENA FieldFox with ECal
System Impedance	50 ohm
Connector	per N4697K faceplate
Brand Lineage	Hewlett Packard Agilent Keysight
Storage temperature	Class: minus 40 C to plus 70 C
Operating temperature	Class: 20 C to 30 C ECal

N4697K Specifications

PARAMETER	VALUE
Key Features	N469x microwave ECal family
USB ECal interface	2-port SOLT
Technical Specifications	Model: N4697K

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to plus 70 C
Operating temperature	Class: 20 C to 30 C ECal
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Operating Temperature Class	20 C to 30 C ECal
Storage Temperature Class	minus 40 C to plus 70 C
Power	from analyzer USB/ECal
Calibration Data	stored in module
Recertification	annual class
Host Analyzers	PNA ENA FieldFox with ECal
System Impedance	50 ohm
Connector	per N4697K faceplate
Brand Lineage	Hewlett Packard Agilent Keysight Notes Family architecture from Keysight N469x microwave ECal data sheets. Connector, frequency, and sex of this N4697K unit are on the module label; they are not assumed from a different N469x model.

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	N4697K
Instrument Type	Microwave electronic calibration module
Family	N469x 2-port ECal
Related N4691	3.5 mm to 26.5 GHz class
Related N4692	2.92 mm to 40 GHz class
Related N4693	2.4 mm to 50 GHz class
Related N4694	1.85 mm to 67 GHz class
Interface	USB ECal
Ports	2
Manufacturer	Keysight Agilent
Form Factor	ECal module
Literature	N469x ECal family / N4697K configuration
Use Case	2-port microwave SOLT
Operating Temperature Class	20 C to 30 C ECal
Storage Temperature Class	minus 40 C to plus 70 C
Power	from analyzer USB/ECal
Calibration Data	stored in module
Recertification	annual class
Host Analyzers	PNA ENA FieldFox with ECal
System Impedance	50 ohm
Connector	per N4697K faceplate
Brand Lineage	Hewlett Packard Agilent Keysight
Notes	
Family architecture from Keysight N469x microwave ECal data sheets. Connector, frequency, and sex of this N4697K unit are on the module label; they are not assumed from a different N469x model.	

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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30-day returns
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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.