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Data Sheet

August 5, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) 85029A 7mm Verification Kit

Keysight (Agilent) 85029A 7 mm Verification Kit The Keysight/Agilent/HP 85029A is a 7 mm verification kit containing NIST-traceable devices used to verify the calibrated performance of network analyzer systems (commonly with 8753 Series and compatible VNAs). Typical devices include a 20 dB pad, a 50 dB pad, and a mismatch attenuator with precision 7 mm connectors. Verification is performed after calibration with a mechanical cal kit such as 85031B. Post-calibration VNA system verification; metrology confidence checks on 7 mm systems. The Keysight/Agilent/HP 85029A is a 7 mm verification kit containing NIST-traceable devices used to verify the calibrated performance of network analyzer systems (commonly with 8753 Series and compatible VNAs). Typical devices include a 20 dB pad, a 50 dB pad, and a mismatch attenuator with precision 7 mm connectors. Verification is performed after calibration with a mechanical cal kit such as 85031B. Post-calibration VNA system verification; metrology confidence checks on 7 mm systems.



MODEL

**Keysight / Agilent
85029A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85029A

LISTING

<https://aumictechlabs.com/products/85029a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight (Agilent) 85029A 7mm Verification Kit is a precision standard set designed to verify the calibrated performance of network analyzer systems. This kit contains NIST-traceable 7mm standards that confirm network analyzer operation remains within specification and validates that

proper measurement calibration has been executed. The kit functions as a post-calibration verification tool, allowing engineers to measure known devices and confirm system measurement integrity without performing full recalibration cycles.

Technical Specifications

Connector Type: 7mm

Traceability: NIST (National Institute of Standards and Technology)

Included Standards: 20 dB pad, 50 dB pad, mismatch attenuator

Key Features

- Precision 7mm connectors on all devices ensure repeatability and connector compatibility across measurement platforms
- NIST-traceable calibration data enables confidence in verification measurements
- Protective foam-lined storage case with end caps preserves connector condition and mating plane surfaces
- Three standard configurations cover common verification scenarios in network analyzer validation

Typical Applications

- Post-calibration verification of network analyzer measurement accuracy
- Periodic performance validation of 7mm measurement systems
- Confirmation that measurement calibration remains valid between recalibration intervals
- Verification of system specifications during routine system checks

Compatibility & Integration

The 85029A kit integrates with the following network analyzer platforms:

- Keysight 8753 measurement system (requires HP 85031B calibration kit)
- HP 8753A measurement system with 50 ohm test sets (requires HP 85031B calibration kit)
- Keysight 8753A measurement system with 50 ohm test sets (requires HP 85031B calibration kit)

Product Status: This product is obsolete. Keysight continues to provide self-support resources for legacy equipment via their website.

Features & description

From manufacturer datasheet

Features

- Connector: precision 7 mm
- NIST-traceable verification devices
- Typical contents: 20 dB pad, 50 dB pad, mismatch attenuator
- Used with 8753-class and other VNAs
- Requires compatible 7 mm calibration kit (e.g. 85031B) for the verification workflow

85029A Characteristics / Specifications

PARAMETER	VALUE
Model	85029A
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Network Analyzer Verification Kit
Alias	85029A; HP 85029A; Agilent 85029A RF
Connector Type	7 mm
Devices	attenuator pads and mismatch standard (published kit BOM) Operational Notes Prefer HP/Agilent 85029A verification kit documentation and supplied disk/data for residual limits.
Connector	precision 7 mm
Typical contents	20 dB pad, 50 dB pad, mismatch attenuator

85029A Specifications

PARAMETER	VALUE
Keysight (Agilent) 85029A 7 mm Verification Kit	Overview
Applications	Post-calibration VNA system verification; metrology confidence checks on 7 mm systems.
Key Features	- Connector: precision 7 mm
Technical Specifications	Model: 85029A
Operational Notes	Prefer HP/Agilent 85029A verification kit documentation and supplied disk/data for residual limits.

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 of network analyzer systems (commonly with 8753 Series and compatible VNAs). Typical devices include a 20 dB pad, a 50 dB pad, and a mismatch attenuator with precision 7 mm connectors. Verification is performed after calibration with a mechanical cal kit such as 85031B.

Applications

Post-calibration VNA system verification; metrology confidence checks on 7 mm systems.

Key Features

- Connector: precision 7 mm
- NIST-traceable verification devices
- Typical contents: 20 dB pad, 50 dB pad, mismatch attenuator
- Used with 8753-class and other VNAs
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Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	85029A
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Network Analyzer Verification Kit
Alias	85029A; HP 85029A; Agilent 85029A

RF

Connector Type: 7 mm

Devices: attenuator pads and mismatch standard (published kit BOM)

Operational Notes

Prefer HP/Agilent 85029A verification kit documentation and supplied disk/data for residual limits.

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.