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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 85029B

HP Agilent 85029B 7 mm Verification Kit for 85050 Calibration Kits The HP 85029B is a 7 mm verification kit used with 85050B/C/D 7 mm calibration kits to verify 18 GHz 7 mm PNA/8510 calibrations. OEM analyzer-accessory tables list 85029B 7 mm verification with 85050B 7 mm to 18 GHz. Verifying APC-7 / 7 mm calibrations to 18 GHz. Form Factor: 7 mm verification devices in case The HP 85029B is a 7 mm verification kit used with 85050B/C/D 7 mm calibration kits to verify 18 GHz 7 mm PNA/8510 calibrations. OEM analyzer-accessory tables list 85029B 7 mm verification with 85050B 7 mm to 18 GHz. Verifying APC-7 / 7 mm calibrations to 18 GHz. Form Factor: 7 mm verification devices in case Literature: analyzer accessory table 85029B



MODEL

**Agilent / Keysight
85029B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85029B

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 85029B is a 7 mm verification kit that validates the calibrated performance of network analyzer systems, particularly the Keysight 8753 series. It contains precision devices with 7 mm connectors and NIST-traceable magnitude and phase data across all four S-parameters at specified frequencies. Verification is performed by measuring the included standards and comparing results against supplied uncertainty limits. The kit operates across 300 kHz to 6 GHz and includes three verification devices: a 20 dB attenuator, a 50 dB attenuator, and a

mismatch attenuator - all in 7 mm connector format. Technical Specifications Frequency Range: 300 kHz to 6 GHz Connector Type: 7 mm precision interface Included Verification Devices: 7 mm 20 dB attenuator, 7 mm 50 dB attenuator, 7 mm mismatch attenuator S-Parameter Data: NIST-traceable magnitude and phase for all four parameters at discrete frequencies Uncertainty Basis: Sum of factory production test system measurement uncertainty and system-under-test uncertainty Key Features Verification process compares measured data against NIST-traceable standards System passes verification when measured results fall within supplied uncertainty limits Precision 7 mm connectors ensure repeatable connections Complete traceability chain from NIST calibration reference Typical Applications Top-down verification of network analyzer calibration status Quality assurance validation of measurement system performance RF and microwave network analysis verification Compatibility & Integration Designed primarily for Keysight 8753 measurement systems. Option 001 provides compatible verification data for the Keysight 8702B lightwave component analyzer. The 85029B verification kit requires use with a Keysight 85031B calibration kit to complete the measurement verification workflow.

85029B Characteristics / Specifications

PARAMETER	VALUE
Model	85029B
Instrument Type	7 mm verification kit
Connector Type	7 mm (APC-7)
Frequency Range	to 18 GHz
Related Cal Kit	85050B 7 mm to 18 GHz
Related Precision Cal	85050C TRL 7 mm
Related Economy Cal	85050D
Host Analyzers	8510 and PNA with 7 mm
Manufacturer	HP Agilent Keysight
Form Factor	7 mm verification devices in case
Literature	analyzer accessory table 85029B
Use Case	confirm 7 mm calibration residuals
Traceability	factory-measured data
Operating Temperature Class	plus 20 C to plus 26 C precision kit window
Storage Temperature Class	minus 40 C to plus 75 C
Torque 7 Mm	12 lb-inch class APC-7
System Impedance	50 ohm
Standards	verification attenuators/airlines class
Error Corrected Temperature Class	plus or minus 1 C of calibration temperature
Related 3p5 Mm Ver	85053B
Related 2p4 Mm Ver	85057B
Brand Lineage	Hewlett Packard Agilent Keysight
Storage temperature	Class: minus 40 C to plus 75 C
Operating temperature	Class: plus 20 C to plus 26 C precision kit window

85029B Specifications

PARAMETER	VALUE
Applications	Verifying APC-7 / 7 mm calibrations to 18 GHz.
Key Features	7 mm verification standards
Used with 85050B/C/D	To 18 GHz
Technical Specifications	Model: 85029B

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 40 C to plus 75 C
Operating temperature	Class: plus 20 C to plus 26 C precision kit window
Operating Temperature	Class: plus 20 C to plus 26 C precision kit window
Operating Temperature Class	plus 20 C to plus 26 C precision kit window
Storage Temperature Class	minus 40 C to plus 75 C
Torque 7 Mm	12 lb-inch class APC-7
System Impedance	50 ohm
Standards	verification attenuators/airlines class
Error Corrected Temperature Class	plus or minus 1 C of calibration temperature
Related 3p5 Mm Ver	85053B
Related 2p4 Mm Ver	85057B
Brand Lineage	Hewlett Packard Agilent Keysight Notes Identity from Keysight analyzer-accessory tables listing 85029B 7 mm verification with 85050B to 18 GHz. Device data is on the 85029B verification disk/certificate.

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	
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PARAMETER	VALUE
Model	85029B
Instrument Type	7 mm verification kit
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Frequency Range	to 18 GHz
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System Impedance	50 ohm
Standards	verification attenuators/airlines class
Error Corrected Temperature Class	plus or minus 1 C of calibration temperature
Related 3p5 Mm Ver	85053B
Related 2p4 Mm Ver	85057B
Brand Lineage	Hewlett Packard Agilent Keysight
Notes	
Identity from Keysight analyzer-accessory tables listing 85029B 7 mm verification with 85050B to 18 GHz. Device data is on the 85029B verification disk/certificate.	

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 ·
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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.