

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 5, 2026

KEYSIGHT

Keysight (Agilent) 85059A

Keysight (Agilent) 85059A Precision Calibration/Verification Kit, 1.0 mm, DC to 110 GHz The Keysight/Agilent 85059A is a 1.0 mm precision mechanical calibration and verification kit for vector network analyzers operating from 45 MHz to 110 GHz (often marketed DC to 110 GHz). Opens, shorts, and loads are optimized across the band. Recommended technique: OSLT from 45 MHz to 50 GHz and offset-shorts from 50 GHz to 110 GHz in one calibration sequence. mmWave VNA calibration and verification with 1.0 mm connectors; metrology to 110 GHz. The Keysight/Agilent 85059A is a 1.0 mm precision mechanical calibration and verification kit for vector network analyzers operating from 45 MHz to 110 GHz (often marketed DC to 110 GHz). Opens, shorts, and loads are optimized across the band. Recommended technique: OSLT from 45 MHz to 50 GHz and offset-shorts from 50 GHz to 110 GHz in one calibration sequence. mmWave VNA calibration and verification with 1.0 mm connectors; metrology to 110 GHz.

No photo

MODEL

Keysight 85059A

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

85059A

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Connectors: 1.0 mm
- Frequency: 45 MHz to 110 GHz (DC–110 GHz class marketing)
- OSLT (≤ 50 GHz) + offset-shorts (50–110 GHz)
- Includes opens, shorts, loads, adapters, cables, verification devices (per kit BOM)
- Commercial calibration certificate

85059A Characteristics / Specifications

PARAMETER	VALUE
Model	85059A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Precision Mechanical Calibration/Verification Kit
Alias	85059A; Agilent 85059A RF
Frequency Coverage	45 MHz to 110 GHz
Connector Type	1.0 mm Example Load Return Loss (published kit tables)
Connectors	1.0 mm
Frequency	45 MHz to 110 GHz (DC–110 GHz class marketing)

85059A Specifications

PARAMETER	VALUE
Applications	mmWave VNA calibration and verification with 1.0 mm connectors; metrology to 110 GHz.
Key Features	- Connectors: 1.0 mm
Technical Specifications	Model: 85059A
Example Load Return Loss (published kit tables)	DC–18 GHz: 30 dB; 18–40 GHz: 26 dB; 40–50 GHz: 24 dB (male/female loads)
Operational Notes	Prefer Agilent 85059A specifications (e.g. product note with open/short phase deviation tables).

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	85059A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Precision Mechanical Calibration/Verification Kit
Alias	85059A; Agilent 85059A

RF

Frequency Coverage: 45 MHz to 110 GHz

Connector Type: 1.0 mm

Example Load Return Loss (published kit tables)

DC-18 GHz: 30 dB; 18-40 GHz: 26 dB; 40-50 GHz: 24 dB (male/female loads)

Operational Notes

Prefer Agilent 85059A specifications (e.g. product note with open/short phase deviation tables).

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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.