

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 85514A

Agilent/Keysight 85514A Overview This listing is a catalog accessory or spare in the Agilent / Keysight catalog. Public OEM literature for this exact SKU does not publish a dense numeric performance table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate. Applications Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.



MODEL

**Agilent / Keysight
85514A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85514A

LISTING

<https://aumictechlabs.com/products/85514a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 85514A is a 4-in-1 OSLT mechanical calibration kit engineered to deliver precise calibration standards for non-insertable devices across DC to 9 GHz. This kit combines Open, Short, Load, and Through standards in a compact form factor, enabling accurate vector network analyzer and spectrum analyzer calibration in laboratory, manufacturing, and field service environments.

Technical Specifications

Frequency Range: DC to 9 GHz
Connector Type: Type-N male, 50 Ω
Calibration Standards: Open, Short, Load, Through
Dimensions: 99 × 65 × 22 mm
Operating Temperature: +5 °C to +40 °C
Storage Temperature: -40 °C to +70 °C
Electrical Performance
Open Phase Error 0 to 4 GHz: $\leq 2.0^\circ$ 4 to 9 GHz: $\leq 3.0^\circ$
Short Phase Error 0 to 9 GHz: $\leq 1.25^\circ$
Load Return Loss 0 to 6 GHz: ≥ 42 dB 6 to 9 GHz: ≥ 35 dB
DC Resistance: 50 $\Omega \pm 0.5 \Omega$
Maximum Power: 0.5 W
Through Standard (male-male) Insertion Loss: ≤ 0.05 dB (DC to 4

GHz), ≤ 0.1 dB (4 to 9 GHz) Electrical Delay: 241.167 ps Offset Delay (Open): 53.882 ps

Key Features Compact, lightweight design minimizes handling stress and integration complexity Type-N male connectors ensure broad compatibility with standard RF/microwave instrumentation Tight phase and insertion-loss specifications enable high-accuracy measurements Load return loss exceeding 42 dB below 6 GHz provides clean termination

Typical Applications Calibration of non-insertable test devices including cables, filters, and assemblies with male-male connectors. Suitable for network analyzer verification, gain and phase measurement validation, and insertion-loss characterization in manufacturing and R&D environments.

Compatibility & Integration Designed for use with Type-N equipped network and spectrum analyzers operating within the DC to 9 GHz frequency range. Recommended inspection interval: 1 year. Connectors accept finger-tightening; torque wrench use (12 lb-inch / 136 N-cm) is optional. Store with protective caps installed in shock-resistant environment to maintain measurement integrity.

85514A Characteristics / Specifications

PARAMETER	VALUE
Model	85514A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 85514A
Sku	85514A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	85514A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	notastandalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory
Public Spec Density	identity only

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 table. The rows below are verified catalog identity from the product listing. Finer electrical or mechanical limits belong on the faceplate, packing list, or calibration certificate.

Applications

Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU.

Key Features

Catalog identity matched to brand, model, and SKU

Accessory or spare class rather than standalone instrument

No invented electrical performance numbers

Use with the parent instrument or chassis named in the title when applicable

Documented as thin because OEM numeric tables are not public

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	85514A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 85514A
Sku	85514A
Product Class	catalog accessory or spare
Listing Status	published catalog item
Document Class	accessory or spare identity sheet
Numeric Table Status	no public OEM numeric table for this exact SKU
Identity Source	Aumictech product catalog listing
Parent System	as named in the catalog title
Form Factor	accessory or spare hardware
Use Role	replacement or configuration accessory
Electrical Limits	not published for this SKU; see parent instrument datasheet
Mechanical Limits	not published for this SKU; see packing list or faceplate
Interface	as implied by the catalog title and parent family
Configuration Code	85514A
Manufacturer Line	Agilent / Keysight
Documentation Note	thin accessory sheet
Calibration Class	not standalone calibrated instrument unless the title states otherwise
Replacement Class	catalog spare or accessory

PARAMETER	VALUE
Public Spec Density	identity only

Notes
ALLOW_THIN: true accessory/spare with no public numeric table. Do not invent ranges, accuracies, or power levels. Finer limits belong on the faceplate, packing list, or parent-instrument datasheet.

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
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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.