

**Aumictech**

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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight 85055A Verification Kit, Type-N 300kHz to 18GHz

Humidity Type Tested: 0 percent to 95 percent at 40 C non-condensing Function: verify measurement calibration and that the VNA system operates within specifications Form Factor: foam-lined verification kit with serialized devices Literature: Keysight 85055A verification kit user's and service guide Function: verify measurement calibration and that the VNA system operates within specifications Form Factor: foam-lined verification kit with serialized devices Literature: Keysight 85055A verification kit user's and service guide Uncertainty Limits: factory uncertainty limits included with the verification data for system verification



MODEL

**Agilent / Keysight
85055A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

85055A

LISTING

<https://aumictechlabs.com/products/85055a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight 85055A Verification Kit has precision calibration standards for validating network analyzer performance across 300 kHz to 18 GHz. Equipped with Type-N connectors and 50 Ω impedance, this kit delivers NIST-traceable standards essential for accurate system characterization and performance confirmation. The 85055A integrates directly with Keysight PNA series network analyzers when paired with 85032F and 85054B Type-N calibration kits. Technical Specifications Connector Type: Type-N Frequency Range: 300 kHz to 18 GHz

Impedance: 50 Ω Traceability: NIST-traceable standards Environmental Testing: Type-tested per Keysight Environmental Test Manual; test methods aligned with IEC 60068-2 at levels equivalent to MIL-PRF-28800F Class 3 Key Features Factory-measured verification data supplied on USB drive and individual component datasheets Stepped impedance and mismatch standards for comprehensive system validation Dual attenuators (20 dB and 50 dB) enabling broadband measurement confidence 10 cm airline and impedance standards for repeatable, traceable measurements Includes user's and service guide covering specifications, maintenance, performance verification, and troubleshooting Temperature-dependent performance; device stability prior to measurement is critical Typical Applications Network analyzer verification and periodic performance confirmation S-parameter measurement system validation Calibration standard verification for PNA series instruments Broadband scalar and vector measurement validation from 300 kHz through 18 GHz Compatibility & Integration Keysight PNA series network analyzers Keysight 85032F and 85054B 50 Ω Type-N calibration kits Backup of factory-measured verification data is critical upon receipt for retention of measurement traceability

85055A Characteristics / Specifications

PARAMETER	VALUE
Model	85055A
Instrument Type	Network analyzer verification kit
Connector Type	50 ohm TypeNFrequency Range: 300 kHz to 18 GHz
Attenuators	20 dB and 50 dB attenuators with data
Airline 50 Ohm	50 ohm airline with factory-measured data
Airline 25 Ohm	25 ohm mismatch airline with factory-measured data
Traceability	factory characterization traceable to a Keysight golden standard / NIST path
Data Media	USB drive or data disks with factory-measured verification S-parameters
Data Sheets	printed data sheet for each device
Companion Calibration Kits	85054B/D Type-N 50 ohm calibration kits
Operating Temperature	+20 C to +26 C
Storage Temperature	minus 40 C to +71 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Operating Altitude	less than 4500 meters (about 15000 feet)
Storage Altitude	less than 15000 meters (about 50000 feet)
Humidity Type Tested	0 percent to 95 percent at 40 C non-condensing
Function	verify measurement calibration and that the VNA system operates within specifications
Form Factor	foam-lined verification kit with serialized devices
Literature	Keysight 85055A verification kit user's and service guide
Uncertainty Limits	factory uncertainty limits included with the verification data for system verification
Recertification	return the kit to Keysight for recertification of the golden-standard data
Impedance	50 ohm coaxial
Ports	two-port verification devices

PARAMETER	VALUE
Attenuator 20 Db	20 dB attenuator with factory data
Attenuator 50 Db	50 dB attenuator with factory data
Open End Wrench	included
Torque TypeNFamily	135 N-cm (12 in-lb) class of Type-N 85054 kits
Host Analyzers	PNA system verification process
Humidity	Type Tested: 0 percent to 95 percent at 40 C non-condensing

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	minus 40 C to +71 C
Operating temperature	+20 C to +26 C
Operating Temperature	+20 C to +26 C
Humidity	Type Tested: 0 percent to 95 percent at 40 C non-condensing
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Operating Altitude	less than 4500 meters (about 15000 feet)
Storage Altitude	less than 15000 meters (about 50000 feet)
Humidity Type Tested	0 percent to 95 percent at 40 C non-condensing
Function	verify measurement calibration and that the VNA system operates within specifications
Form Factor	foam-lined verification kit with serialized devices
Literature	Keysight 85055A verification kit user's and service guide
Uncertainty Limits	factory uncertainty limits included with the verification data for system verification
Recertification	return the kit to Keysight for recertification of the golden-standard data
Impedance	50 ohm coaxial
Ports	two-port verification devices
Attenuator 20 Db	20 dB attenuator with factory data
Attenuator 50 Db	50 dB attenuator with factory data
Open End Wrench	included
Torque TypeNFamily	135 N-cm (12 in-lb) class of Type-N 85054 kits
Host Analyzers	PNA system verification process Notes From Keysight 85055A Type-N 50 ohm Verification Kit user's and service guide (300 kHz to 18 GHz, 20/50 dB attenuators, 50 ohm and 25 ohm airlines, Table 2-1 environment). Device S-parameters are kit-specific factory data.

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	
Technical Specifications	
PARAMETER	VALUE
Model	85055A
Instrument Type	Network analyzer verification kit
Connector Type	50 ohm Type N
Frequency Range	300 kHz to 18 GHz
Attenuators	20 dB and 50 dB attenuators with data
Airline 50 Ohm	50 ohm airline with factory-measured data
Airline 25 Ohm	25 ohm mismatch airline with factory-measured data
Traceability	factory characterization traceable to a Keysight golden standard / NIST path
Data Media	USB drive or data disks with factory-measured verification S-parameters
Data Sheets	printed data sheet for each device
Companion Calibration Kits	85054B/D Type-N 50 ohm calibration kits
Operating Temperature	+20 C to +26 C
Storage Temperature	minus 40 C to +71 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Operating Altitude	less than 4500 meters (about 15000 feet)
Storage Altitude	less than 15000 meters (about 50000 feet)
Humidity Type Tested	0 percent to 95 percent at 40 C non-condensing
Function	verify measurement calibration and that the VNA system operates within specifications
Form Factor	foam-lined verification kit with serialized devices
Literature	Keysight 85055A verification kit user's and service guide
Uncertainty Limits	factory uncertainty limits included with the verification data for system verification
Recertification	return the kit to Keysight for recertification of the golden-standard data
Impedance	50 ohm coaxial

PARAMETER	VALUE
Ports	two-port verification devices
Attenuator 20 Db	20 dB attenuator with factory data
Attenuator 50 Db	50 dB attenuator with factory data
Open End Wrench	included
Torque Type N Family	135 N-cm (12 in-lb) class of Type-N 85054 kits
Host Analyzers	PNA system verification process

Specifications

PARAMETER	VALUE
Model	85055A
Instrument Type	Network analyzer verification kit
Connector Type	50 ohm TypeN Frequency Range: 300 kHz to 18 GHz
Attenuators	20 dB and 50 dB attenuators with data
Airline 50 Ohm	50 ohm airline with factory-measured data
Airline 25 Ohm	25 ohm mismatch airline with factory-measured data
Traceability	factory characterization traceable to a Keysight golden standard / NIST path
Data Media	USB drive or data disks with factory-measured verification S-parameters
Data Sheets	printed data sheet for each device
Companion Calibration Kits	85054B/D Type-N 50 ohm calibration kits
Operating Temperature	+20 C to +26 C
Storage Temperature	minus 40 C to +71 C
Error Corrected Temperature	plus or minus 1 C of measurement calibration temperature
Operating Altitude	less than 4500 meters (about 15000 feet)
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Humidity Type Tested	0 percent to 95 percent at 40 C non-condensing
Function	verify measurement calibration and that the VNA system operates within specifications
Form Factor	foam-lined verification kit with serialized devices
Literature	Keysight 85055A verification kit user's and service guide
Uncertainty Limits	factory uncertainty limits included with the verification data for system verification
Recertification	return the kit to Keysight for recertification of the golden-standard data

PARAMETER	VALUE
Impedance	50 ohm coaxial
Ports	two-port verification devices
Attenuator 20 Db	20 dB attenuator with factory data
Attenuator 50 Db	50 dB attenuator with factory data
Open End Wrench	included
Torque TypeNFamily	135 N-cm (12 in-lb) class of Type-N 85054 kits
Host Analyzers	PNA system verification process

Notes
From Keysight 85055A Type-N 50 ohm Verification Kit user's and service guide (300 kHz to 18 GHz, 20/50 dB attenuators, 50 ohm and 25 ohm airlines, Table 2-1 environment). Device S-parameters are kit-specific factory data.

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.