

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight V11644A

Agilent/Keysight V11644A 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
V11644A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

V11644A

LISTING

<https://aumictechlabs.com/products/v11644a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight V11644A is a mechanical waveguide calibration kit engineered for precise network analyzer calibration across the 8.2 to 12.4 GHz band in WR-90 waveguide systems. It delivers systematic error correction through a suite of calibration standards - shorts, termination loads, and precision shims - enabling 1-port and 2-port calibration methodologies including TRM (Thru-Reflect-Match) techniques. The kit is optimized for measurement environments where accuracy and traceability are critical.

Technical Specifications

Frequency Range:	8.2 to 12.4 GHz
Waveguide:	WR-90
Calibration Methods:	1-port and 2-port calibrations; TRM capable
Short Circuit Flatness:	0.008 mm
Center Conductor Pin Recession Tolerance:	0.0076 to 0.038 mm
Standard Section Return Loss:	≥42 dB (guaranteed by mechanical design)
Operating Temperature Range:	

+20 °C to +26 °C Storage Temperature Range: –40 °C to +75 °C Error-Corrected Ambient Temperature Drift: ± 1 °C from calibration temperature

Key Features

- Flush or offset short configuration via precision shims
- Termination loads for known impedance matching $\frac{1}{4}$ wavelength shim sections for offset standard generation
- Standard section for post-calibration system verification
- Waveguide straight for system verification and consistent mating orientation
- Mechanical design ensures repeatable return loss performance across the band

Typical Applications

- Network analyzer calibration and verification
- S-parameter measurement standardization
- Systematic error elimination in waveguide test setups
- Production and laboratory characterization environments

Compatibility & Integration

Designed for Keysight network analyzer systems including 8510, 872x, and PNA series platforms.

V11644A Characteristics / Specifications

PARAMETER	VALUE
Model	V11644A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight V11644A
Sku	V11644A
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	V11644A
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	V11644A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight V11644A
Sku	V11644A
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	V11644A
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
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.