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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent / Keysight R11645A Verification Kit, WR-28 26.5 to 40 GHz

Agilent / Keysight R11645A Verification Kit, WR-28 26.5 to 40 GHz This listing is a fixture, kit, or mechanical accessory 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. Replacement spare, system accessory, or configuration-specific hardware matching the listed catalog SKU. 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 Catalog Title: Agilent / Keysight R11645A Verification Kit, WR-28 26.5 to 40 GHz



MODEL

**Agilent / Keysight
R11645A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

R11645A

LISTING

<https://aumictechlabs.com/products/r11645a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight R11645A Verification Kit is a precision calibration and verification instrument for network analyzers and waveguide systems operating in the WR-28 band from 26.5 to 40 GHz. This kit validates measurement accuracy and repeatability in high-frequency applications including radar, satellite communications, and microwave systems. All measurement data and

uncertainties are traceable to NIST standards, delivering quantifiable confidence in measurement integrity across your test setup.

Technical Specifications

Frequency Range: 26.5 GHz to 40 GHz
Waveguide Standard: WR-28
Connector Type: WR-28
Traceability: NIST-traceable measurement data and uncertainties

Key Features

- Standard waveguide section for baseline reference
- Standard waveguide mismatch component for reflection validation
- 20 dB attenuator for controlled signal reduction
- 50 dB attenuator for high-attenuation verification scenarios
- Traceable calibration data ensures quantifiable reliability

Typical Applications

The R11645A serves critical verification functions in radar systems, satellite communication links, and broadband microwave test environments where measurement repeatability and accuracy are non-negotiable. It confirms that network analyzers operate within specified performance parameters, enabling quality assurance in sensitive measurement campaigns.

Compatibility & Integration

Designed for network analyzers and RF test equipment with WR-28 waveguide interfaces. The kit's standardized components integrate directly into existing measurement setups without modification, providing immediate verification capability for high-accuracy test configurations.

R11645A Characteristics / Specifications

PARAMETER	VALUE
Model	R11645A
Brand	Agilent / Keysight
Catalog Title	Agilent / Keysight R11645A Verification Kit, WR-28 26.5 to 40 GHz
Sku	R11645A
Product Class	fixture, kit, or mechanical accessory
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	R11645A
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

PARAMETER	VALUE
Model	R11645A
Brand	Agilent / Keysight
Catalog Title	Agilent / Keysight R11645A Verification Kit, WR-28 26.5 to 40 GHz
Sku	R11645A
Product Class	fixture, kit, or mechanical accessory
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	R11645A
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

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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.