

**Aumictech**

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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 11641A

Agilent/Keysight 11641A 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
11641A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

11641A

LISTING

<https://aumictechlabs.com/products/11641a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 11641A is a broadband RF amplifier engineered to boost signal strength across extended frequency spectra for RF testing and measurement applications. It delivers high gain with low noise figure performance, making it ideal for enhancing sensitivity in spectrum analyzers, network analyzers, and other RF test equipment requiring increased dynamic range and signal detection capability. Technical Specifications The 11641A operates as a broadband RF amplifier with frequency coverage across extended bandwidths typical of Keysight's amplifier portfolio. Gain reaches up to 30 dB, providing significant signal boost without proportional noise degradation. The amplifier maintains a low noise figure to preserve signal integrity throughout the measurement chain. Output power performance is characterized by saturation point (P_{sat}) and 1 dB compression point (P_{1dB}) specifications, defining linearity boundaries and maximum usable

output levels. Voltage Standing Wave Ratio (VSWR) indicates impedance matching quality at input and output ports. Port isolation prevents unwanted signal feedback between input and output. The amplifier requires specific bias voltage and power for operation.

Key Features

- High gain up to 30 dB for weak signal amplification
- Low noise figure maintains measurement sensitivity
- Broadband frequency coverage across extended spectrum
- Defined saturation and compression point specifications
- Input/output port isolation for clean signal transmission
- Standard RF connectors (Type N or APC-3.5 mm typical)

Typical Applications

The 11641A integrates with spectrum analyzers to extend dynamic range and detection sensitivity. Network analyzer measurements benefit from the amplifier's low noise and high gain characteristics. General RF test equipment applications requiring preamplification and sensitivity enhancement employ this amplifier for improved measurement floor and signal-to-noise ratio performance.

Compatibility & Integration

The 11641A connects directly to Keysight and Agilent RF test instruments through standard RF connectors. Compatible external power supplies such as the 87421A and 87422A models support amplifier operation within specified bias requirements.

11641A Characteristics / Specifications

PARAMETER	VALUE
Model	11641A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 11641A
Sku	11641A
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	11641A
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	11641A
Brand	Agilent / Keysight
Catalog Title	Agilent/Keysight 11641A
Sku	11641A
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	11641A
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.