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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 11866A

Queue model 11866A is the HP/Agilent/Keysight 11866A remaining-queue module (title Agilent/Keysight 11866A). 118xxA numbers in this catalog are RF/microwave or lightwave accessories. Exact frequency and connector are on the 11866A drawing and are not invented here. RF/microwave or lightwave setups that specify 11866A. HP/Agilent/Keysight 11866A remaining-queue module Manufacturer: Hewlett Packard / Agilent / Keysight RF/microwave or lightwave setups that specify 11866A. HP/Agilent/Keysight 11866A remaining-queue module Manufacturer: Hewlett Packard / Agilent / Keysight Literature: HP/Agilent/Keysight 11866A remaining-queue listing



MODEL

**Agilent / Keysight
11866A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

11866A

LISTING

<https://aumictechlabs.com/products/11866a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 11866A is a reflectometer bridge test fixture that performs reflection measurements across microwave frequencies using a resistive Wheatstone Bridge architecture extended to RF/microwave operation. The instrument incorporates two Schottky diode detectors to sample incident and reflected signals, enabling high-directivity measurements with external ratioing for isolation from source mismatch effects. Technical Specifications Frequency Range: 40 MHz to 18 GHz Input SWR: 1.92 Maximum Input Power: +15 dBm Connectors: Type N-Female (input/output); APC-7 optional Weight: 0.7 kg net / 2.26 kg shipping Measurement Principle: Resistive Wheatstone Bridge with microwave frequency extension Directivity: High equivalent

directivity achievable over wide bandwidths; measured with 50-ohm termination

Key Features

- Dual Schottky diode detectors for simultaneous incident and reflected signal sampling
- High directivity performance across 40 MHz to 18 GHz bandwidth
- Effective external leveling via ratioing technique - isolates measurement port from source/bridge input mismatch
- Compact form factor enabling integration into diverse test setups

Optional 116641 Detector compatibility for simultaneous dual-ratio measurements of insertion and return loss

Typical Applications

- High-volume production testing of RF/microwave components
- Laboratory reflection coefficient and return loss characterization
- Research and development environments requiring stable, repeatable reflection measurements

Compatibility & Integration Designed for dedicated operation with the Agilent 8755 reflectometer. Optional APC-7 connector configuration available for systems requiring this interface.

11866A Characteristics / Specifications

PARAMETER	VALUE
Model	11866A
Instrument Type	RF / lightwave module
Manufacturer	Hewlett Packard / Agilent / Keysight
Literature	HP/Agilent/Keysight 11866A remaining-queue listing
Family	HP 118xxA class
Form Factor	118xxA RF/lightwave accessory module
System Role	RF / lightwave module
Brand Lineage	HP / Agilent / Keysight
Queue Title	Agilent/Keysight 11866A
Documentation Type	OEM 11866A listing
Use Case	RF/microwave or lightwave setups that specify 11866A
Vendor Path	HP / Agilent / Keysight
Year Class	11866A generation
Application Class	RF / lightwave module
Module Class	RF / lightwave module
Host Class	instrument host per drawing
Connector Class	connectors on the 11866A drawing
Ate Class	RF/lightwave interconnect
Control Class	11866A front panel / firmware
Environment Class	ambient on the 11866A sheet
Mains Class	mains on the 11866A nameplate
Voltage Class	volts on the 11866A nameplate
Current Class	amperes on the 11866A nameplate

11866A Specifications

PARAMETER	VALUE
Agilent Keysight 11866A Module	Overview
Applications	RF/microwave or lightwave setups that specify 11866A.
Key Features	HP/Agilent/Keysight 11866A remaining-queue module
Technical Specifications	Model: 11866A
Notes	From remaining-queue title Agilent/Keysight 11866A. Frequency and connector are on the 11866A drawing.

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	
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Notes	
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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.