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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 11812A

HP Agilent 11812A Pulse Modulator 0.1 to 18 GHz for 8662A/8663A The HP 11812A is an external pulse modulator covering 0.1 to 18 GHz for use with HP 8662A/8663A synthesized signal generators. OEM 8662A/11812A accessory literature lists 11812A as the microwave pulse modulator that provides fast on/off RF pulsing beyond the internal AM/pulse capability of the 8662A (10 kHz-1280 MHz) / 8663A (10 kHz-2560 MHz) generators. Radar pulse simulation, pulsed LO, and gated RF tests requiring 0.1-18 GHz pulse modulation of a synthesized source. The HP 11812A is an external pulse modulator covering 0.1 to 18 GHz for use with HP 8662A/8663A synthesized signal generators. OEM 8662A/11812A accessory literature lists 11812A as the microwave pulse modulator that provides fast on/off RF pulsing beyond the internal AM/pulse capability of the 8662A (10 kHz-1280 MHz) / 8663A (10 kHz-2560 MHz) generators. Radar pulse simulation, pulsed LO, and gated RF tests requiring 0.1-18 GHz pulse modulation of a synthesized source. Instrument Type: Microwave pulse modulator



MODEL

**Agilent / Keysight
11812A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

11812A

LISTING

<https://aumictechlabs.com/products/11812a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 11812A is a verification kit that validates the performance of the 8902A Option 050 Tuned RF Level function. It comprises a 355D step attenuator with two semi-permanently attached 10 dB pads, interconnecting cable, and carrying case. The complete assembly is calibrated against a piston attenuator standard to ensure measurement

integrity. Technical Specifications Frequency: 30 MHz Kit accuracy: $\pm(0.003 \text{ dB} + 0.003 \text{ dB}/10 \text{ dB step})$ Verified 8902A Option 050 accuracy: $\pm(0.015 \text{ dB} + 0.010 \text{ dB}/10 \text{ dB step})$ across general range Verified accuracy (0 to -100 dBm): $\pm 0.010 \text{ dB}/10 \text{ dB step}$ Verified accuracy (-100 to -120 dBm): $\pm 0.050 \text{ dB}/10 \text{ dB step}$ Verified display accuracy: $\pm 0.015 \text{ dB} \pm 1 \text{ digit}$ Operating temperature: 15°C to 30°C Storage temperature: -55°C to 74°C Weight: 5 lbs

Key Features Precision step attenuator with integrated 20 dB pad network Piston attenuator calibration ensures traceability Compact portable configuration with protective carrying case Temperature-stable performance across operational range

Typical Applications The 11812A is a field verification standard for validating the tuned RF level measurement function on 8902A analyzers operating at 30 MHz. It enables technicians to verify measurement accuracy across the full dynamic range from 0 to -120 dBm without requiring external calibration services.

Compatibility & Integration Designed exclusively for verification of the Agilent/Keysight 8902A Option 050 Tuned RF Level function. The attenuator and pad assembly interface via standard coaxial RF connectors suitable for high-frequency test equipment configurations.

11812A Characteristics / Specifications

PARAMETER	VALUE
Model	11812A
Instrument Type	Microwave pulse modulator
Frequency Range	0.1 GHz to 18 GHz
Host Generators	8662A and 8663A
Host 8662a Frequency	10 kHz to 1280 MHz
Host 8663a Frequency	10 kHz to 2560 MHz
Drive	TTL pulse input class
Rf Connectors	coaxial
Manufacturer	HP Agilent Keysight
Use Case	pulsed RF from synthesized sources
Form Factor	external pulse modulator
Literature	HP 11812A pulse modulator / 8662A accessory catalogs
Operating Temperature Class	0 to 55 C laboratory
Control	external pulse input
On Off	microwave switch/modulator
Related Internal Pulse	8662A/8663A internal pulse/AM
Related Generators	8662A 8663A
Insertion	series with generator RF output
Power	line or generator-accessory powered class
Isolation	on/off isolation per 11812A data
Rise Time	pulse modulator rise/fall per data sheet
Brand Lineage	Hewlett Packard Agilent Keysight
Operating temperature	Class: 0 to 55 C laboratory

11812A Specifications

PARAMETER	VALUE
Applications	Radar pulse simulation, pulsed LO, and gated RF tests requiring 0.1-18 GHz pulse modulation of a synthesized source.
Key Features	0.1 to 18 GHz pulse modulation
Technical Specifications	Model: 11812A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 to 55 C laboratory
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Operating Temperature Class	0 to 55 C laboratory
Control	external pulse input
On Off	microwave switch/modulator
Related Internal Pulse	8662A/8663A internal pulse/AM
Related Generators	8662A 8663A
Insertion	series with generator RF output
Power	line or generator-accessory powered class
Isolation	on/off isolation per 11812A data
Rise Time	pulse modulator rise/fall per data sheet
Brand Lineage	Hewlett Packard Agilent Keysight Notes Identity and 0.1 to 18 GHz range from HP 11812A pulse-modulator listings for 8662A/8663A. On/off ratio, rise time, and insertion loss are on the 11812A specification.

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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Model	11812A
Instrument Type	Microwave pulse modulator
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Rise Time	pulse modulator rise/fall per data sheet
Brand Lineage	Hewlett Packard Agilent Keysight
Notes	
Identity and 0.1 to 18 GHz range from HP 11812A pulse-modulator listings for 8662A/8663A. On/off ratio, rise time, and insertion loss are on the 11812A specification.	

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>

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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.