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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 86235A

Agilent 86235A RF Sweep Plug In 1.7 to 4.3 GHz The HP 86235A is a single-band RF plug-in for 8620-series sweeper mainframes covering 1.7 to 4.3 GHz with over 40 mW of output power. OEM listings state compatibility with 8620-series mainframes and with 8350 mainframes via the 11869A adapter. Swept S-band stimulus for scalar and 8410-family measurements in 8620C or adapted 8350B systems. Internally leveled family architecture of 86200 plug-ins The HP 86235A is a single-band RF plug-in for 8620-series sweeper mainframes covering 1.7 to 4.3 GHz with over 40 mW of output power. OEM listings state compatibility with 8620-series mainframes and with 8350 mainframes via the 11869A adapter. Swept S-band stimulus for scalar and 8410-family measurements in 8620C or adapted 8350B systems. Internally leveled family architecture of 86200 plug-ins Instrument Type: Single band RF sweep plug-in



MODEL

**Agilent / Keysight
86235A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

86235A

LISTING

<https://aumictechlabs.com/products/86235a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 86235A is a RF signal generator engineered as a plug-in module for the HP 8620C mainframe. It delivers precise signal generation across the 1.7 GHz to 4.3 GHz band, supporting R&D, manufacturing, and service operations in telecommunications and electronics environments. Technical Specifications Frequency Range: 1.7 GHz to 4.3 GHz Maximum Output Power: >40 dBm Mainframe: HP 8620C (required) Key Features Operates as a dedicated plug-in

module within the HP 8620C architecture Delivers output power exceeding 40 dBm across the operating band Engineered for precise frequency control and signal stability in demanding test environments Typical Applications RF component characterization and validation Telecommunications equipment testing and alignment Manufacturing final-test and incoming-inspection operations Field service and troubleshooting of RF systems Research and development in microwave engineering Compatibility & Integration The 86235A functions exclusively as a plug-in module within the HP 8620C mainframe. Integration into the 8620C architecture provides access to the mainframe's control, measurement, and interface capabilities. Operators should verify mainframe compatibility and module seating prior to operation.

86235A Characteristics / Specifications

PARAMETER	VALUE
Model	86235A
Instrument Type	Single band RF sweep plug-in
Frequency Range	1.7 to 4.3 GHz
Minimum Frequency	1.7 GHz
Maximum Frequency	4.3 GHz
Output Power	over 40 mW
Output Power Mw Class	greater than 40 mW (greater than 16 dBm class)
Host Mainframe Direct	HP 8620-series sweeper mainframes (8620A/B/C class)
Host Mainframe Via Adapter	HP 8350 mainframes with HP 11869A adapter
Related Manual Family	HP 86235A 86240A 86240B 86240C operating and service manual family
Output Impedance Family	50 ohm nominal on 86200 plug-ins
Rf Output Connector Family	TypeNfemale class of 86200 RF plug-ins
Internal Leveling Family	internal leveling standard on 86200 broadband/single-band family
Scalar Am Family	accepts 27.8 kHz square-wave AM for 8755/8756/8757 scalar analyzers on 86200 family
Internal Am On Off Family	1 kHz square-wave on/off ratio greater than 30 dB class of 86222 catalog
Rf Blanking Family	greater than 30 dB class of 86222 catalog
Source Swr Internal Family	less than 1.5 class of internally leveled 86200 plug-ins
Weight Net Family 862	2.5 kg class of 86222A catalog plug-in (confirm 86235A net on the 86235A manual)
Weight Shipping Family 862	4 kg class of 86222A catalog
Related Higher Band	86241A covers 3.2 to 6.5 GHz in the same 86200 single-band family
Form Factor	86200-series RF unit

86235A Specifications

PARAMETER	VALUE
Agilent 86235A RF Sweep Plug In 1.7 to 4.3 GHz	Overview
Applications	Swept S-band stimulus for scalar and 8410-family measurements in 8620C or adapted 8350B systems.
Key Features	1.7 to 4.3 GHz single-band plug-in
Over 40 mW output power	8620-series direct fit
Technical Specifications	Model: 86235A

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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Scalar Am Family	accepts 27.8 kHz square-wave AM for 8755/8756/8757 scalar analyzers on 86200 family
Internal Am On Off Family	1 kHz square-wave on/off ratio greater than 30 dB class of 86222 catalog
Rf Blanking Family	greater than 30 dB class of 86222 catalog
Source Swr Internal Family	less than 1.5 class of internally leveled 86200 plug-ins
Option 002 Family: 70 dB step attenuator, 10 dB steps, on 86200 option tables	
Specifications	
PARAMETER	VALUE
Weight Net Family 86222	2.5 kg class of 86222A catalog plug-in (confirm 86235A net on the 86235A manual)
Weight Shipping Family 86222	4 kg class of 86222A catalog
Related Higher Band	86241A covers 3.2 to 6.5 GHz in the same 86200 single-band family
Form Factor	86200-series RF unit

Notes

Frequency and greater-than-40 mW power from Keysight/HP 86235A RF plug-in product listings and the 86235A/86240x operating-and-service manual family. Rows labeled 86200 family are published 8620-series catalog interface figures that apply to 86200 plug-ins in 8620C.

Ordering Information

OPTION	DESCRIPTION
Option 002	Family: 70 dB step attenuator, 10 dB steps, on 86200 option tables

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

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NIST-traceable calibration · SAM registered ·
30-day returns
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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.