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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 86241A

Fm Deviation 100 Hz To 1 Mhz Family: plus or minus 5 MHz class of 86222 catalog Option 002 Family: 70 dB step attenuator, 10 dB steps, on 86200 option tables Related Lower Band: 86235A covers 1.7 to 4.3 GHz in the same single-band family Frequency, +1 dBm leveled power, harmonic/spurious, and residual-FM rows from Keysight-Agilent 86241A product specifications. Family connector/AM/blanking/adaptor rows are 8620-series catalog interface figures for 86200 plug-ins; confirm 86241A-only FM-sensitivity and SWR columns in the 86241A operating manual. Option 002 Family: 70 dB step attenuator, 10 dB steps, on 86200 option tables Related Lower Band: 86235A covers 1.7 to 4.3 GHz in the same single-band family Frequency, +1 dBm leveled power, harmonic/spurious, and residual-FM rows from Keysight-Agilent 86241A product specifications. Family connector/AM/blanking/adaptor rows are 8620-series catalog interface figures for 86200 plug-ins; confirm 86241A-only FM-sensitivity and SWR columns in the 86241A operating manual.



MODEL

**Agilent / Keysight
86241A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

86241A

LISTING

<https://aumictechlabs.com/products/86241a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 86241A is an RF plug-in module engineered for integration into Agilent/Keysight sweep oscillator mainframe systems. Designed to support RF testing and signal characterization across a broad spectrum, this module functions as a frequency-generation component within compatible mainframe architectures. Technical Specifications Form Factor:

Plug-in module for sweep oscillator mainframe installation System Architecture: Compatible with Agilent/Keysight sweep oscillator mainframe units

Key Features The 86241A operates within sweep oscillator platforms, providing signal generation capabilities for RF characterization work. As a modular component, it integrates directly into designated mainframe slots, eliminating the need for standalone equipment. The module supports sweep functionalities inherent to its parent oscillator system, including digital sweep operations. Control and automation are managed through standard interfaces available on compatible mainframe systems.

Typical Applications RF testing and signal characterization Frequency sweep measurements Integration within multi-module test systems

Compatibility & Integration The 86241A is a dedicated plug-in module and requires a compatible Agilent/Keysight sweep oscillator mainframe for operation. It does not function as a standalone instrument. Installation is accomplished by inserting the module into the appropriate slot within the mainframe chassis, after which it operates under the control systems and interfaces provided by the parent equipment. Mainframe systems featuring this module type typically offer LAN, GPIB, and RS-232 interfaces for remote control and system integration.

86241A Characteristics / Specifications

PARAMETER	VALUE
Model	86241A
Instrument Type	Single band RF sweep plug-in
Frequency Range	3.2 to 6.5 GHz
Minimum Frequency	3.2 GHz
Maximum Frequency	6.5 GHz
Maximum Leveled Power	+1 dBm
Harmonics	minus 16 dB
Spurious	minus 60 dB
Residual Fm	less than 7 kHz peak
Host Mainframe Direct	HP 8620A or 8620B (also 8620C class 86200 plug-ins)
Host Mainframe Via Adapter	HP 8350 with HP 11869A adapter
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 on 86200 single-band family
Scalar Am Family	27.8 kHz square-wave AM path of 86200 plug-ins for scalar analyzers
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
Fm Deviation Dc To 100 Hz Family	plus or minus 75 MHz class of 86222 catalog FM table
Fm Deviation 100 Hz To 1 Mhz Family	plus or minus 5 MHz class of 86222 catalog
Related Lower Band	86235A covers 1.7 to 4.3 GHz in the same single-band family
Form Factor	86200-series RF unit

86241A Specifications

PARAMETER	VALUE
Agilent 86241A RF Sweep Plug In 3.2 to 6.5 GHz	Overview
Applications	Swept C-band stimulus in 8620-series or 8350B-plus-11869A systems.
Key Features	3.2 to 6.5 GHz single-band plug-in
Technical Specifications	Model: 86241A

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

Specifications

PARAMETER	VALUE
Model	86241A
Instrument Type	Single band RF sweep plug-in
Frequency Range	3.2 to 6.5 GHz
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Rf Output Connector Family	TypeNfemale class of 86200 RF plug-ins
Internal Leveling Family	internal leveling on 86200 single-band family
Scalar Am Family	27.8 kHz square-wave AM path of 86200 plug-ins for scalar analyzers
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
Fm Deviation Dc To 100 Hz Family	plus or minus 75 MHz class of 86222 catalog FM table

Fm Deviation 100 Hz To 1 Mhz Family: plus or minus 5 MHz class of 86222 catalog
Option 002 Family: 70 dB step attenuator, 10 dB steps, on 86200 option tables
Related Lower Band: 86235A covers 1.7 to 4.3 GHz in the same single-band family
Form Factor: 86200-series RF unit

Notes
Frequency, +1 dBm leveled power, harmonic/spurious, and residual-FM rows from Keysight-Agilent 86241A product specifications. Family connector/AM/blanking/adapter rows are 8620-series catalog interface figures for 86200 plug-ins; confirm 86241A-only FM-sensitivity and SWR columns in the 86241A operating manual.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.