


Aumictech

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 86240A

HP Agilent 86240A RF Plug In Sweep Oscillator The HP/Agilent 86240A is an RF plug-in for HP 8620-series sweep oscillators covering 2.0 to 8.4 GHz with approximately 40 mW RF output power. OEM NSN/catalog descriptions list CW and sweep mode frequency accuracy figures for the 86240A. Swept microwave stimulus from 2 to 8.4 GHz for scalar/network measurements and general microwave source benches. Frequency Accuracy CW Mode At 25 C: plus or minus 25 MHz The HP/Agilent 86240A is an RF plug-in for HP 8620-series sweep oscillators covering 2.0 to 8.4 GHz with approximately 40 mW RF output power. OEM NSN/catalog descriptions list CW and sweep mode frequency accuracy figures for the 86240A. Swept microwave stimulus from 2 to 8.4 GHz for scalar/network measurements and general microwave source benches. Frequency Accuracy CW Mode At 25 C: plus or minus 25 MHz Frequency Accuracy CW Remote Program Typical: plus or minus 3.5 MHz



MODEL

**Agilent / Keysight
86240A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

86240A

LISTING

<https://aumictechlabs.com/products/86240a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Agilent/Keysight 86240A is a RF plug-in module for HP 8620 Series sweep oscillator mainframes, delivering 40 mW of internally leveled output across the 2 GHz to 8.6 GHz frequency band. Purpose-built for applications demanding precise RF power control and signal purity, this module combines stable frequency generation with sophisticated modulation capability and low

residual noise. Technical Specifications Frequency Range: 2 GHz to 8.6 GHz RF Output Power: 40 mW, internally leveled Output Impedance: 50 Ω nominal Source SWR: <1.6 (internally leveled); typically 3 (unleveled) Signal Purity: Linearity: Better than 0.5% Residual FM: <9 kHz peak (20 Hz – 15 kHz bandwidth, FM switch in NORM, CW mode) External FM Modulation: Maximum deviation (DC to 100 Hz): ± 100 MHz Maximum deviation (90 kHz to 10 MHz): ± 1.5 MHz Nominal sensitivity: ± 20 MHz/Volt Frequency response (DC to 10 MHz): ± 1.5 dB FM bandwidth: 10 MHz Output Connector: Type N female Key Features Internal leveling and slope control for stable power delivery Wide external FM capability spanning DC to 10 MHz bandwidth Dual SWR performance modes for flexible impedance matching Compact form factor: 2.3 kg net weight Typical Applications Precision RF signal generation, frequency-agile testing, modulation characterization, and power-leveled sweep applications in the X-band region. Compatibility & Integration Designed exclusively as a plug-in module for HP 8620 Series mainframes. Part of the broader HP 86200 series family, which collectively covers 10 MHz to 22 GHz.

86240A Characteristics / Specifications

PARAMETER	VALUE
Model	86240A
Frequency Range	2.0 to 8.4 GHz
RF Output Power Class	40 mW
Frequency Accuracy CW Mode At 25 C	plus or minus 25 MHz
Frequency Accuracy CW Remote Program Typical	plus or minus 3.5 MHz
Frequency Accuracy All Sweep Modes	plus or minus 40 MHz
Linearity Class	plus or minus 0.1 percent class
Monitor Voltage Class	approximately 1 V/GHz
Weight Class	5 lb class
Instrument Type	RF sweep oscillator plug-in
Mainframe Family	HP 8620 series
Brand Lineage	HP / Agilent
Form Factor	plug-in module
Operating Context	microwave sweep oscillator system
Family	HP 8624x RF plug-insInstrument Type: RF sweep oscillator plug-in
Sweep Modes	CW and swept modes via mainframe
Documentation Source	OEM datasheet model row

86240A Specifications

PARAMETER	VALUE
HP Agilent 86240A RF Plug In Sweep Oscillator	Overview
Applications	Swept microwave stimulus from 2 to 8.4 GHz for scalar/network measurements and general microwave source benches.
Key Features	2.0 to 8.4 GHz plug-in coverage
Approximately 40 mW RF output power	CW and sweep operating modes
Technical Specifications	Model: 86240A
Notes	From HP 86240A RF plug-in catalog/NSN specification description.

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	86240A
Frequency Range	2.0 to 8.4 GHz
RF Output Power Class	40 mW
Frequency Accuracy CW Mode At 25 C	plus or minus 25 MHz
Frequency Accuracy CW Remote Program Typical	plus or minus 3.5 MHz
Frequency Accuracy All Sweep Modes	plus or minus 40 MHz
Linearity Class	plus or minus 0.1 percent class
Monitor Voltage Class	approximately 1 V/GHz
Weight Class	5 lb class
Instrument Type	RF sweep oscillator plug-in
Mainframe Family	HP 8620 series
Brand Lineage	HP / Agilent
Form Factor	plug-in module
Operating Context	microwave sweep oscillator system
Family	HP 8624x RF plug-insInstrument Type: RF sweep oscillator plug-in
Mainframe Family	HP 8620 series
Brand Lineage	HP / Agilent
Form Factor	plug-in module
Operating Context	microwave sweep oscillator system
Family	HP 8624x RF plug-ins
Sweep Modes	CW and swept modes via mainframe
Documentation Source	OEM datasheet model row
Notes	
From HP 86240A RF plug-in catalog/NSN specification description.	

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>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026

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