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**Data Sheet**

August 14, 2026

AGILENT / KEYSIGHT

# Agilent / Keysight 86260A RF plug-in

HP Agilent 86260A 12.4 to 18.0 GHz Single Band RF Sweep Plug In The HP 86260A isaKu-band YIG-tuned RF plug-in for 8620-series mainframes. OEM 86260A operating/service Table 1-1 lists calibrated 12.4 to 18.0 GHz, CW accuracy plus or minus 50 MHz at 25 C, maximum leveled power greater than +7 dBm (5 mW), residual FM less than 25 kHz peak in CW, and harmonics greater than 25 dB below the fundamental at +7 dBm. Octave-band Ku-band swept scalar measurements and CW stimulus in 8620A/B/C mainframes, or in 8350B with the 11869A adapter. The HP 86260A isaKu-band YIG-tuned RF plug-in for 8620-series mainframes. OEM 86260A operating/service Table 1-1 lists calibrated 12.4 to 18.0 GHz, CW accuracy plus or minus 50 MHz at 25 C, maximum leveled power greater than +7 dBm (5 mW), residual FM less than 25 kHz peak in CW, and harmonics greater than 25 dB below the fundamental at +7 dBm. Octave-band Ku-band swept scalar measurements and CW stimulus in 8620A/B/C mainframes, or in 8350B with the 11869A adapter. Fundamental YIG oscillator 12.4 to 18.0 GHz



MODEL

**Agilent / Keysight  
86260A**

CALIBRATION

**Available on  
request**

CONDITION

**Used**

STATUS

**In stock**

RFQ / SKU

**86260A**

LISTING

<https://aumictechlabs.com/products/86260a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## This unit

The Agilent/Keysight 86260A is an RF plug-in module engineered to extend the signal generation capabilities of 8620A and 8620B mainframe systems. Operating across the 12.4 GHz to 18.0 GHz band, this unit delivers calibrated RF output suitable for precision measurement and device

characterization in microwave test environments.

**Technical Specifications**

Frequency Range: 12.4 GHz to 18.0 GHz  
Maximum Leveled Power: +6 dBm  
Harmonic Output: -30 dB  
Spurious Output: -60 dB  
Residual FM: < 30 kHz peak  
Weight: Approximately 10–15 lbs  
Dimensions: Approximately 12 × 10 × 8 inches (or 14 × 8 × 8 inches)

**Key Features**

Modular plug-in architecture for flexible system configuration  
Leveled power output maintains amplitude stability across the operating band  
Low spurious and harmonic content (-60 dB and -30 dB respectively) reduces test measurement uncertainty  
Minimal residual frequency modulation ensures signal purity for demanding applications

**Typical Applications**

Wireless communications testing  
Radar system testing  
RF and microwave component characterization

**Compatibility & Integration**

The 86260A integrates directly into Agilent/Keysight 8620A and 8620B mainframe systems, functioning as a self-contained RF source module within the parent instrument's architecture. No external signal conditioning or amplification is required for standard test configurations.

## 86260A Characteristics / Specifications

| PARAMETER                             | VALUE                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------|
| Model                                 | 86260A                                                                         |
| Instrument Type                       | Single band RF sweep plug-in                                                   |
| Host Mainframe                        | HP 8620A/B/C; HP 8350B with 11869A adapter                                     |
| Frequency Range Calibrated            | 12.4 GHz to 18.0 GHz                                                           |
| Frequency Range Usable Typical        | usable 12.0 GHz to 18.0 GHz (typical characteristic)                           |
| Cw Frequency Accuracy                 | plus or minus 50 MHz at 25 C, FM switch in PL or FM                            |
| Sweep Frequency Accuracy              | plus or minus 70 MHz, sweep time greater than 0.1 s                            |
| Stability Versus Temperature          | plus or minus 3.6 to 5.4 MHz per C (300 ppm per C)                             |
| Stability Versus 10 Percent Line      | plus or minus 180 kHz                                                          |
| Stability Versus 10 Db Power Change   | plus or minus 6 MHz from specified maximum power                               |
| Residual Fm Cw                        | less than 25 kHz peak in 10 kHz bandwidth, FM-NORM-PL in NORM                  |
| Maximum Leveled Power                 | greater than +7 dBm (5 mW) at 25 C                                             |
| Power Variation Unleveled             | less than plus or minus 4.0 dB                                                 |
| Power Variation Crystal External      | less than plus or minus 0.1 dB                                                 |
| Power Variation Power Meter External  | less than plus or minus 0.1 dB                                                 |
| Harmonics At Plus 7 Dbm               | greater than 25 dB below fundamental                                           |
| Nonharmonics At Plus 7 Dbm            | greater than 50 dB below fundamental                                           |
| Leveled Power Control Range Typical   | greater than 20 dB while maintaining 60/40 internal 1 kHz square-wave symmetry |
| Unleveled Power Control Range Typical | greater than 30 dB                                                             |
| Source Swr Unleveled Typical          | less than 2.0                                                                  |
| Output Impedance                      | 50 ohm nominal                                                                 |
| Rf Output Connector                   | TypeNfemale                                                                    |
| Weight Family Single Band             | net 2.3 kg, shipping 3.2 kg for 86200 single-band class in the 8620 catalog    |
| Residual Am Family                    | less than minus 50 dBc in 100 kHz bandwidth, 86200 series family spec          |

| PARAMETER                          | VALUE                                            |
|------------------------------------|--------------------------------------------------|
| External Am Input Impedance Family | approximately 5000 ohm, 86200 series family spec |

# 86260A Specifications

| PARAMETER                | VALUE                                                                                                                       |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Applications             | Octave-band Ku-band swept scalar measurements and CW stimulus in 8620A/B/C mainframes, or in 8350B with the 11869A adapter. |
| Key Features             | Fundamental YIG oscillator 12.4 to 18.0 GHz                                                                                 |
| Technical Specifications | Model: 86260A                                                                                                               |

# 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                                                                                                                        | 86260A                                                                         |
| Instrument Type                                                                                                              | Single band RF sweep plug-in                                                   |
| Host Mainframe                                                                                                               | HP 8620A/B/C; HP 8350B with 11869A adapter                                     |
| Frequency Range Calibrated                                                                                                   | 12.4 GHz to 18.0 GHz                                                           |
| Frequency Range Usable Typical                                                                                               | usable 12.0 GHz to 18.0 GHz (typical characteristic)                           |
| Cw Frequency Accuracy                                                                                                        | plus or minus 50 MHz at 25 C, FM switch in PL or FM                            |
| Sweep Frequency Accuracy                                                                                                     | plus or minus 70 MHz, sweep time greater than 0.1 s                            |
| Stability Versus Temperature                                                                                                 | plus or minus 3.6 to 5.4 MHz per C (300 ppm per C)                             |
| Stability Versus 10 Percent Line                                                                                             | plus or minus 180 kHz                                                          |
| Stability Versus 10 Db Power Change                                                                                          | plus or minus 6 MHz from specified maximum power                               |
| Residual Fm Cw                                                                                                               | less than 25 kHz peak in 10 kHz bandwidth, FM-NORM-PL in NORM                  |
| Maximum Leveled Power                                                                                                        | greater than +7 dBm (5 mW) at 25 C                                             |
| Power Variation Unleveled                                                                                                    | less than plus or minus 4.0 dB                                                 |
| Power Variation Crystal External                                                                                             | less than plus or minus 0.1 dB                                                 |
| Power Variation Power Meter External                                                                                         | less than plus or minus 0.1 dB                                                 |
| Harmonics At Plus 7 Dbm                                                                                                      | greater than 25 dB below fundamental                                           |
| Nonharmonics At Plus 7 Dbm                                                                                                   | greater than 50 dB below fundamental                                           |
| Leveled Power Control Range Typical                                                                                          | greater than 20 dB while maintaining 60/40 internal 1 kHz square-wave symmetry |
| Unleveled Power Control Range Typical                                                                                        | greater than 30 dB                                                             |
| Source Swr Unleveled Typical                                                                                                 | less than 2.0                                                                  |
| Output Impedance                                                                                                             | 50 ohm nominal                                                                 |
| Rf Output Connector                                                                                                          | TypeNfemale                                                                    |
| Option 001 Internal Leveling Power: later manual changes list Option 001 maximum leveled power greater than +6.0 dBm (4 mW)  |                                                                                |
| Option 001 Internal Leveling Flatness: later manual changes list internally leveled variation less than plus or minus 0.7 dB |                                                                                |
| Specifications                                                                                                               |                                                                                |

| PARAMETER                          | VALUE                                                                       |
|------------------------------------|-----------------------------------------------------------------------------|
| Weight Family Single Band          | net 2.3 kg, shipping 3.2 kg for 86200 single-band class in the 8620 catalog |
| Residual Am Family                 | less than minus 50 dBc in 100 kHz bandwidth, 86200 series family spec       |
| External Am Input Impedance Family | approximately 5000 ohm, 86200 series family spec                            |

#### Notes

Warranted rows from HP 86260A Operating and Service Manual Table 1-1 (installed in 8620A). Option 001 leveling figures are from later manual-change pages in the same OEM manual. Catalog family rows are labeled as 86200 series family specs.

# Ordering Information

| OPTION     | DESCRIPTION                                                                                                      |
|------------|------------------------------------------------------------------------------------------------------------------|
| Option 001 | Internal Leveling Power: later manual changes list Option 001 maximum leveled power greater than +6.0 dBm (4 mW) |

## Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: [sales@aumictech.com](mailto:sales@aumictech.com) · +1 (484) 841-9341

**Aumictech**  
788 S 500 E, Pleasant Grove, UT 84062  
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NIST-traceable calibration · SAM registered ·  
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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.