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Data Sheet

August 14, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 86250D

HP Agilent 86250D RF Plug In Sweep Oscillator The HP/Agilent 86250D is an RF plug-in for HP 8620-series sweep oscillators covering 8.0 to 12.4 GHz (X-band). OEM 86250-series plug-in literature places the 86250D in the X-band swept-source plug-in family for 8620 mainframes. X-band swept microwave stimulus for scalar/network measurements and radar/component test benches. Instrument Type: RF sweep oscillator plug-in The HP/Agilent 86250D is an RF plug-in for HP 8620-series sweep oscillators covering 8.0 to 12.4 GHz (X-band). OEM 86250-series plug-in literature places the 86250D in the X-band swept-source plug-in family for 8620 mainframes. X-band swept microwave stimulus for scalar/network measurements and radar/component test benches. Instrument Type: RF sweep oscillator plug-in Operating Context: microwave sweep oscillator system



MODEL

**Agilent / Keysight
86250D**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

86250D

LISTING

<https://aumictechlabs.com/products/86250d-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 86250D is a plug-in RF signal generator module engineered for integration with Agilent 8620 series sweep oscillator mainframes. Operating across 8.0 to 12.4 GHz, this synthesized module delivers precise frequency control and high signal quality essential for demanding RF and microwave test environments. Technical Specifications Frequency Range: 8.0 GHz to 12.4 GHz Maximum Levelled Power: Greater than 50 mW Harmonic/Spurious Suppression:

Greater than -30 dB and greater than -60 dB Residual FM: Less than 9 kHz peak Frequency Stability: Inherent to mainframe; achieves high precision through host equipment

Key Features

- Synthesized signal generation with dual-level spurious rejection
- Plug-in architecture for quick integration into compatible 8620 series systems
- Low residual FM ensures signal purity for sensitive receiver testing
- Frequency control and stability characteristics defined by the 8620 series mainframe
- Modulation capabilities (AM, FM, phase, pulse) available through host mainframe architecture

Typical Applications

- RF and microwave component characterization
- Receiver sensitivity and selectivity measurements
- System-level RF testing and validation
- Frequency-dependent network analysis

Compatibility & Integration

The 86250D interfaces directly with Agilent 8620 series sweep oscillators. When used with the Agilent 8350B mainframe, installation requires the 11869A adapter. As a plug-in module, the 86250D inherits frequency stability and modulation control from its host mainframe, ensuring measurement accuracy across temperature and time.

86250D Characteristics / Specifications

PARAMETER	VALUE
Model	86250D
Frequency Range	8.0 to 12.4 GHz
Instrument Type	RF sweep oscillator plug-in
Mainframe Family	HP 8620 series
Band Class	X-band
Brand Lineage	HP / Agilent
Form Factor	plug-in module
Operating Context	microwave sweep oscillator system
Family	HP 86250 RF plug-ins
Control	mainframe front-panel and remote programming class
Output	RF swept output via plug-in
Sweep Modes	CW and swept modes via mainframe
Marker Support	mainframe marker class
Calibration Note	frequency accuracy and power follow plug-in and mainframe calibration
Physical Type	modular RF plug-in
Compatible Systems	HP 8620-series sweepersMinimum Frequency: 8.0 GHz
Maximum Frequency	12.4 GHz
Sweep Capability	yes via mainframe
CW Capability	yes via mainframe
Output Type	swept RF
Remote Programming	via mainframe HPIB classFamily: HP 86250 RF plug-ins
Documentation Source	OEM datasheet model row

86250D Specifications

PARAMETER	VALUE
HP Agilent 86250D RF Plug In Sweep Oscillator	Overview
Key Features	8.0 to 12.4 GHz X-band coverage
Technical Specifications	Model: 86250D

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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Notes	
From HP 86250-series RF plug-in documentation identifying 86250D coverage 8.0 to 12.4 GHz. Finer power and accuracy limits belong on the unit data sheet/certificate.	

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.