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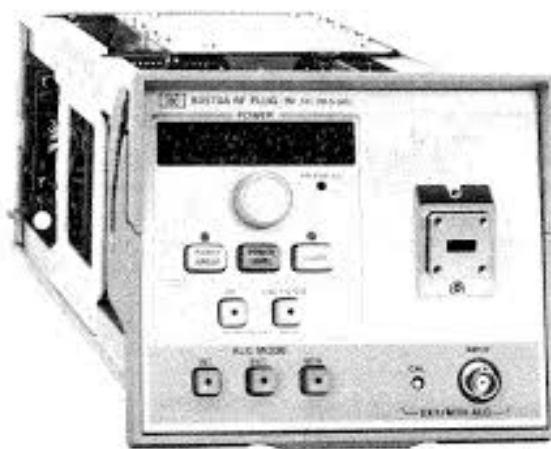
Data Sheet

August 13, 2026

HP / AGILENT

HP / Agilent 83572A RF Plug-In, 26.5-40.0 GHz

The HP 83572A RF plug-in extends the 8350-series sweep oscillator from 26.5 GHz to 40.0 GHz with 100 MHz frequency accuracy. Minimum unlevelled output is 3 dBm; Option 001 provides 2 dBm calibrated externally leveled output. Calibrated power range and power sweep span 7 dB with 0.1 dB display resolution (0.01 dB via HP-IB). Ka-band swept and CW stimulus; scalar measurements 26.5 to 40 GHz; externally leveled regulated power with Option 001; AC detection scalar systems with Option 006 internal 27.8 kHz modulation. Operating Temperature With Mainframe: 0 to 55 C class Modulation External Family: external AM/FM/pulse family support Power Sweep Function: sweeps power between two levels over calibrated range Rows from HP 83572A/B catalog and Test Equipment Connection OEM summaries. Confirm Option 001 leveling and Option 006 modulation before quoting leveled power.



MODEL

**HP / Agilent
83572A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

83572A

LISTING

<https://aumictechlabs.com/products/83572a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The HP/Agilent 83572A RF Plug-In extends the frequency coverage of Agilent 8350A or 8350B Sweep Oscillator Mainframes into the millimeter-wave band. Operating from 26.5 GHz to 40.0 GHz with WR-28 waveguide output, this module delivers precise signal generation for advanced RF and microwave applications including millimeter-wave system development, wireless communication testing, and radar system analysis. Technical Specifications Frequency Range: 26.5 GHz to 40.0 GHz Output Connector: WR-28 waveguide Output Power (Unlevelled): Minimum

3 dBm Output Power (Calibrated Externally Leveled, Option 001): Minimum 2 dBm Frequency Accuracy: 100 MHz Output Impedance: 50 ohms (nominal) Power Control: Manual adjustment to 0.1 dB resolution; remote programmability via HP-IB to 0.01 dB resolution Key Features AM/FM/Pulse/Square wave modulation Power sweep capability for real-time power response measurements Slope compensation for system and cable loss at high frequencies External leveling via detector or power meter Internal modulation option (Option 006): 27.8 kHz for scalar network analyzer interface Full HP-IB programmability (IEEE-488.1-1987 and IEEE-488.2-1987) for automated testing and remote control Typical Applications Millimeter-wave system development Wireless communication testing Radar system analysis Complex RF measurements requiring precise signal generation Compatibility & Integration Designed as a plug-in module for HP 8350A and HP 8350B Sweep Oscillator Mainframes. Compatible with HP 8756A or HP 8757A Scalar Network Analyzers when Option 006 is installed. Also supports HP 8410 Network Analyzer and R8747B Test Unit for vector network measurements.

Features & description

From manufacturer datasheet

Features

- 26.5 to 40.0 GHz waveguide/coax plug-in for 8350 mainframe
- Minimum unlevelled power 3 dBm (2 dBm Option 001 leveled)
- 7 dB calibrated power and power-sweep range
- Slope compensation for external cable losses
- Option 006 internal 27.8 kHz modulation for 8756A/8757A

83572A Characteristics / Specifications

PARAMETER	VALUE
Model	83572A
Manufacturer	Hewlett Packard / Agilent
Instrument Type	Sweep oscillator RF plug-in (requires 8350-series mainframe)
Alias	HP 83572A; Agilent 83572A
Frequency Range	26.5 GHz to 40.0 GHz
Frequency Accuracy	100 MHz
Minimum Unleveled Output Power	3 dBm
Calibrated Power Range	7 dB
Power Sweep Range	7 dB
Power Display Resolution Manual	0.1 dB
Power Programmable Resolution	0.01 dB
Slope Compensation	yes (attenuates lower frequencies for high-frequency cable loss)
Internal Leveling	supported in family modes
External Leveling	Option 001 calibrated external leveling
Mainframe Compatibility	8350A/8350B series
Related Higher Power Sibling	83572B 7 dBm unleveled; 11 dB calibrated range
Related Lower Band Driver	83570A 18 to 26.5 GHz
HP IB Programmability	power level and plug-in functions
Operating Temperature With Mainframe	0 to 55 C class
Modulation External Family	external AM/FM/pulse family support
Power Sweep Function	sweeps power between two levels over calibrated range
Waveguide Band Class	Ka band coverage
Operating temperature	With Mainframe: 0 to 55 C class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	With Mainframe: 0 to 55 C class
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Operating Temperature With Mainframe	0 to 55 C class
Modulation External Family	external AM/FM/pulse family support
Power Sweep Function	sweeps power between two levels over calibrated range
Waveguide Band Class	Ka band coverage Notes Rows from HP 83572A/B catalog and Test Equipment Connection OEM summaries. Confirm Option 001 leveling and Option 006 modulation before quoting leveled power.

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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PARAMETER	VALUE
Model	83572A
Manufacturer	Hewlett Packard / Agilent
Instrument Type	Sweep oscillator RF plug-in (requires 8350-series mainframe)
Alias	HP 83572A; Agilent 83572A
Frequency Range	26.5 GHz to 40.0 GHz
Frequency Accuracy	100 MHz
Minimum Unleveled Output Power	3 dBm
Option 001 Calibrated Externally Leveled Power: 2 dBm	
Specifications	
PARAMETER	VALUE
Calibrated Power Range	7 dB
Power Sweep Range	7 dB
Power Display Resolution Manual	0.1 dB
Power Programmable Resolution	0.01 dB
Slope Compensation	yes (attenuates lower frequencies for high-frequency cable loss)
Internal Leveling	supported in family modes
External Leveling	Option 001 calibrated external leveling
Option 006 Modulation: internal 27.8 kHz for 8756A/8757A AC detection	
Specifications	
PARAMETER	VALUE
Mainframe Compatibility	8350A/8350B series
Related Higher Power Sibling	83572B 7 dBm unleveled; 11 dB calibrated range
Related Lower Band Driver	83570A 18 to 26.5 GHz
HP IB Programmability	power level and plug-in functions
Operating Temperature With Mainframe	0 to 55 C class

PARAMETER	VALUE
Modulation External Family	external AM/FM/pulse family support
Power Sweep Function	sweeps power between two levels over calibrated range
Waveguide Band Class	Ka band coverage

Notes
Rows from HP 83572A/B catalog and Test Equipment Connection OEM summaries. Confirm Option 001 leveling and Option 006 modulation before quoting leveled power.

Ordering Information

OPTION	DESCRIPTION
Option 001	provides 2 dBm calibrated externally leveled output. Calibrated power range and power sweep span 7 dB with 0.1 dB display resolution (0.01 dB via HP-IB).
Option 006	internal 27.8 kHz modulation.

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

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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.