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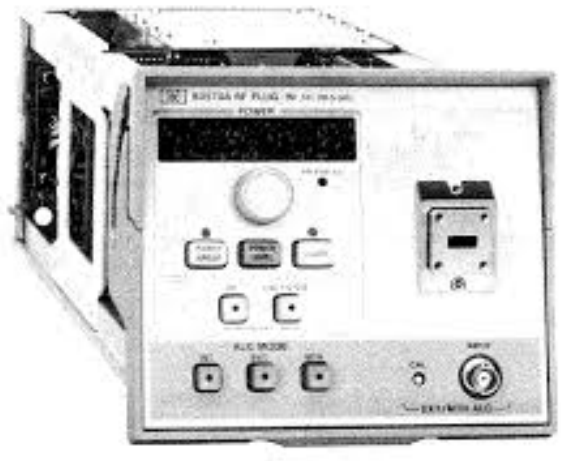
Data Sheet
August 13, 2026

HP / AGILENT

HP / Agilent 83572B RF Plug-In, 26.5-40.0 GHz, High Power

HP 83572B RF Plug-in 26.5 to 40 GHz High Power The HP 83572B is the higher-power 26.5 to 40.0 GHz RF plug-in for the 8350 mainframe. Minimum unleveled output is 7 dBm (6 dBm Option 001 calibrated externally leveled). Calibrated power range and power sweep span 11 dB versus 7 dB on the 83572A, with the same 100 MHz frequency accuracy and 0.1/0.01 dB power resolution. Higher-power Ka-band swept/CW stimulus; scalar network analysis 26.5 to 40 GHz; externally leveled control with Option 001; 8756A/8757A AC detection with Option 006. The HP 83572B is the higher-power 26.5 to 40.0 GHz RF plug-in for the 8350 mainframe. Minimum unleveled output is 7 dBm (6 dBm Option 001 calibrated externally leveled). Calibrated power range and power sweep span 11 dB versus 7 dB on the 83572A, with the same 100 MHz frequency accuracy and 0.1/0.01 dB power resolution. Higher-power Ka-band swept/CW stimulus; scalar network analysis 26.5 to 40 GHz; externally leveled control with Option 001; 8756A/8757A AC detection with Option 006.



MODEL HP / Agilent 83572B	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU 83572B	LISTING https://aumictechlabs.com/products/83572b-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 83572B RF Plug-In extends HP 8350B sweep oscillator mainframes into the millimeter-wave band, delivering high-power signal generation across 26.5 GHz to 40.0 GHz. This WR-28 waveguide output module combines precision frequency control with flexible modulation and leveling options, making it essential for radar testing, satellite communications, and millimeter-wave component characterization. Full HP-IB programmability enables integration into automated test systems. Technical Specifications Frequency range: 26.5 GHz to 40.0 GHz Frequency accuracy: 100 MHz Minimum unleveled output power: 7 dBm Calibrated externally leveled output power (Option 001): 6 dBm Output power calibrated range: 11 dB Output power manual setting resolution: 0.1 dB Output power remote HP-IB programming resolution: 0.01 dB Output connector: WR-28 waveguide Power consumption (with mainframe): 375 VA Dimensions: 12 × 10 × 8 inches (approximate) Weight: 10 lbs (approximate) Key Features Power sweep capability over 11 dB range AM, FM, Pulse, and Square wave modulation modes Internal 27.8 kHz modulation for scalar measurements with HP 8756A/8757A Scalar Network Analyzers in AC detection mode External leveling with slope compensation to offset high-frequency test losses Option 001: Calibrated external leveling for stable output power delivery Option 006: Internal pulse and square wave modulation capability Complete front panel function programmability via HP-IB Typical Applications Radar system testing Satellite communication testing Millimeter-wave component characterization High-frequency signal generation and microwave testing Scalar network analysis measurements at millimeter-wave frequencies Compatibility & Integration Designed exclusively as a plug-in module for HP 8350B sweep oscillator mainframes. All signal generation, modulation, and power control functions are remotely programmable through HP-IB interfaces, enabling seamless integration into automated measurement systems.

Features & description

From manufacturer datasheet

Features

• 26.5 to 40.0 GHz with 7 dBm minimum unleveled power • 11 dB calibrated power and power-sweep range • Option 001 6 dBm calibrated external leveling • Slope compensation; HP-IB power programming • Option 006 internal 27.8 kHz modulation

83572B Characteristics / Specifications

PARAMETER	VALUE
Model	83572B
Manufacturer	Hewlett Packard / Agilent
Instrument Type	Sweep oscillator RF plug-in (requires 8350-series mainframe)
Alias	HP 83572B; Agilent 83572B
Frequency Range	26.5 GHz to 40.0 GHz
Frequency Accuracy	100 MHz
Minimum Unleveled Output Power	7 dBm
Calibrated Power Range	11 dB
Power Sweep Range	11 dB
Power Display Resolution Manual	0.1 dB
Power Programmable Resolution	0.01 dB
Slope Compensation	yes
Internal Leveling	supported in family modes
External Leveling	Option 001 calibrated external leveling
Mainframe Compatibility	8350A/8350B series
Related Lower Power Sibling	83572A 3 dBm unleveled; 7 dB calibrated range
Related Lower Band	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 11 dB
Waveguide Band Class	Ka band coverage
Display Power Settable	yes with 0.1 dB steps
Operating temperature	With Mainframe: 0 to 55 C class

83572B Specifications

PARAMETER	VALUE
Key Features	- 26.5 to 40.0 GHz with 7 dBm minimum unleveled power
Technical Specifications	Model: 83572B
Notes	Rows from HP 83572A/B catalog text distinguishing B-model 7 dBm / 11 dB versus A-model 3 dBm / 7 dB. Confirm Option 001/006 on the unit.

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 11 dB
Waveguide Band Class	Ka band coverage
Display Power Settable	yes with 0.1 dB steps Notes Rows from HP 83572A/B catalog text distinguishing B-model 7 dBm / 11 dB versus A-model 3 dBm / 7 dB. Confirm Option 001/006 on the unit.

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	83572B
Manufacturer	Hewlett Packard / Agilent
Instrument Type	Sweep oscillator RF plug-in (requires 8350-series mainframe)
Alias	HP 83572B; Agilent 83572B
Frequency Range	26.5 GHz to 40.0 GHz
Frequency Accuracy	100 MHz
Minimum Unleveled Output Power	7 dBm

Option 001 Calibrated Externally Leveled Power: 6 dBm

Specifications

PARAMETER	VALUE
Calibrated Power Range	11 dB
Power Sweep Range	11 dB
Power Display Resolution Manual	0.1 dB
Power Programmable Resolution	0.01 dB
Slope Compensation	yes
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 Lower Power Sibling	83572A 3 dBm unleveled; 7 dB calibrated range
Related Lower Band	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 11 dB
Waveguide Band Class	Ka band coverage
Display Power Settable	yes with 0.1 dB steps

Notes
Rows from HP 83572A/B catalog text distinguishing B-model 7 dBm / 11 dB versus A-model 3 dBm / 7 dB. Confirm Option 001/006 on the unit.

Ordering Information

OPTION	DESCRIPTION
Option 001	calibrated externally leveled). Calibrated power range and power sweep span 11 dB versus 7 dB on the 83572A, with the same 100 MHz frequency accuracy and 0.1/0.
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

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