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Data Sheet

August 5, 2026

KEYSIGHT

Keysight (Agilent) 83599A RF Plug-in for the Agilent 8350B, 10 MHz to 50 GHz

Keysight (Agilent) 83599A RF Plug-in for the Agilent 8350B, 10 MHz to 50 GHz The Agilent/HP 83599A isabroadband RF plug-in for the 8350B sweep oscillator mainframe providing coaxial coverage from 10 MHz to 50 GHz. Uses rugged 2.4 mm male RF output. Designed for scalar network analysis, LO drive, and stand-alone swept/CW stimulus. Companion 83598A covers related broadband coaxial roles. Obsolete; PSG (E8257D class) isacommon replacement path. Broadband coaxial swept source to 50 GHz; scalar network analysis; microwave LO/stimulus with 8350B. The Agilent/HP 83599A isabroadband RF plug-in for the 8350B sweep oscillator mainframe providing coaxial coverage from 10 MHz to 50 GHz. Uses rugged 2.4 mm male RF output. Designed for scalar network analysis, LO drive, and stand-alone swept/CW stimulus. Companion 83598A covers related broadband coaxial roles. Obsolete; PSG (E8257D class) isacommon replacement path. Broadband coaxial swept source to 50 GHz; scalar network analysis; microwave LO/stimulus with 8350B.

No photo

MODEL Keysight 83599A	CALIBRATION N/A — off-catalog OEM datasheet
CONDITION See OEM documentation	STATUS Not listed on Aumictech inventory
RFQ / SKU 83599A	LISTING Off-catalog — OEM dat asheet only

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Frequency: 10 MHz to 50 GHz
- Host: 8350B sweep oscillator mainframe
- RF connector: 2.4 mm male
- Minimum settable power (83596B/97B/98A/99A class): -12 dBm
- Power sweep range: >12 dB (>22 dB below 20 GHz, published class for this plug-in group)
- Minimum single-band sweep time: 20 ms (83596B/97B/98A/99A)
- Source VSWR: <2.0 typical (this plug-in group)
- Internal square-wave modulation: 1 kHz or 27.8 kHz; on/off >30 dB

83599A Characteristics / Specifications

PARAMETER	VALUE
Model	83599A
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	RF Plug-In (Sweep Oscillator)
Host	8350B sweep oscillator mainframe
Alias	83599A; HP 83599A; Agilent 83599A RF
Frequency	10 MHz to 50 GHz
Output connector	2.4 mm male
Minimum settable power	-12 dBm (published for 83599A group) Mainframe-dependent Modulation (typical)
External AM	to 100 kHz; External FM deviations per 8350B datasheet; External pulse rise/fall ≤ 50 ns class Operational Notes Prefer HP/Agilent 8350B / 8359xA plug-in data. Confirm leveled power vs frequency on the unit label.
RF connector	2.4 mm male
Minimum settable power (83596B/97B/98A/99A class)	-12 dBm
Power sweep range	>12 dB (>22 dB below 20 GHz, published class for this plug-in group)
Minimum single-band sweep time	20 ms (83596B/97B/98A/99A)
Source VSWR	<2.0 typical (this plug-in group)
Internal square-wave modulation	1 kHz or 27.8 kHz; on/off >30 dB

83599A Specifications

PARAMETER	VALUE
Applications	Broadband coaxial swept source to 50 GHz; scalar network analysis; microwave LO/stimulus with 8350B.
Key Features	- Frequency: 10 MHz to 50 GHz
Technical Specifications	Model: 83599A
Operational Notes	Prefer HP/Agilent 8350B / 8359xA plug-in data. Confirm leveled power vs frequency on the unit label.

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	83599A
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	RF Plug-In (Sweep Oscillator)
Host	8350B
Alias	83599A; HP 83599A; Agilent 83599A

RF

Specifications

PARAMETER	VALUE
Frequency	10 MHz to 50 GHz
Output connector	2.4 mm male
Minimum settable power	-12 dBm (published for 83599A group)

Mainframe-dependent Modulation (typical)

External AM: to 100 kHz; External FM deviations per 8350B datasheet; External pulse rise/fall ≤50 ns class

Operational Notes

Prefer HP/Agilent 8350B / 8359xA plug-in data. Confirm leveled power vs frequency on the unit label.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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.