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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 83595

Agilent 83595 RF Plug In 10 MHz to 26.5 GHz The HP 83595 RF plug-in provides 10 MHz to 26.5 GHz broadband coaxial swept output in an 8350B mainframe. OEM 83595 product data list minus 5 dBm to +4 dBm output, plus or minus 12 MHz frequency accuracy, plus or minus 1.5 dB power-level accuracy, 0.1 dB displayed power resolution, 10 ms minimum sweep time, and 200 kHz/C stability class. Scalar network analysis, broadband LO, and stand-alone 26.5 GHz swept stimulus with 8350B. Calibrated leveled power minus 5 to +4 dBm The HP 83595 RF plug-in provides 10 MHz to 26.5 GHz broadband coaxial swept output in an 8350B mainframe. OEM 83595 product data list minus 5 dBm to +4 dBm output, plus or minus 12 MHz frequency accuracy, plus or minus 1.5 dB power-level accuracy, 0.1 dB displayed power resolution, 10 ms minimum sweep time, and 200 kHz/C stability class. Scalar network analysis, broadband LO, and stand-alone 26.5 GHz swept stimulus with 8350B. Calibrated leveled power minus 5 to +4 dBm Instrument Type: Broadband RF sweep plug-in



MODEL

**Agilent / Keysight
83595**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

83595

LISTING

<https://aumictechlabs.com/products/83595-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 83595 is a broadband RF and microwave sweep generator plug-in module engineered for the 8350B sweep oscillator mainframe. It delivers continuous frequency coverage from 0.01 GHz to 26.5 GHz across five contiguous bands, with exceptional frequency accuracy and stability. The module excels in scalar network analysis, local oscillator applications for signal

down-conversion, and standalone RF signal generation. Its architecture combines precise frequency control with flexible power leveling, making it suitable for both swept and CW operation across DC to millimeter-wave test environments.

Technical Specifications

Frequency Performance:
Operating range: 0.01 GHz to 26.5 GHz (Band 0: 0.01–2.4 GHz; Band 1: 2.4–7 GHz; Band 2: 7–13.5 GHz; Band 3: 13.5–20 GHz; Band 4: 20–26.5 GHz)
CW frequency accuracy: ± 5 MHz (Bands 0–1), ± 10 MHz (Bands 2–3), ± 12 MHz (Band 4)
Sweep mode accuracy: ± 15 to ± 50 MHz depending on band and sweep configuration
Frequency marker accuracy: ± 15 to ± 50 MHz or $\pm 0.5\%$ of sweep width
Temperature stability: ± 200 to ± 800 MHz/ $^{\circ}\text{C}$ across bands
Power supply stability: ± 200 kHz to ± 800 MHz for 10 dB power change
Load SWR stability (3:1): ± 100 kHz to ± 400 MHz depending on band
Output Power: Maximum leveled output: 10 mW (Bands 0–3), 2.5 mW (Band 4)
Minimum settable power: -5 dBm
Power level accuracy: ± 1.3 to ± 1.8 dB across bands
Power sweep range: >9 dB calibrated
Resolution: 0.1 dB (display), 0.01 dB (programmable)
Spectral Purity: Harmonics and subharmonics: $\leftarrow 25$ dBc (Bands 0–3), $\leftarrow 20$ dBc (Band 4)

Key Features
Five-band architecture enables efficient coverage without gaps
Precision CW and swept frequency generation with independent band accuracy specifications
Load-tolerant design with minimal SWR-induced frequency drift
Programmable power control with 0.01 dB resolution for fine-grained signal conditioning

Typical Applications
Scalar network analysis and impedance measurement
Heterodyne receiver local oscillator generation
Broadband RF signal sourcing for component and subsystem testing
Frequency-dependent device characterization

Compatibility & Integration
Designed as a plug-in module for the 8350B mainframe, integrating directly into established test systems. Optional enhanced performance available via Option 002.

83595 Characteristics / Specifications

PARAMETER	VALUE
Model	83595
Instrument Type	Broadband RF sweep plug-in
Host Mainframe	HP 8350B
Frequency Range	10 MHz to 26.5 GHz
Minimum Frequency	10 MHz
Maximum Frequency	26.5 GHz
Frequency Accuracy	plus or minus 12 MHz
Output Power Minimum	minus 5 dBm (without attenuator)
Output Power Maximum	+4 dBm
Power Range Output	minus 5 dBm to +4 dBm
Power Level Accuracy	plus or minus 1.5 dB
Output Power Resolution Displayed	0.1 dB
Minimum Sweep Time	10 ms
Stability Temperature Class	200 kHz perCMainframe Sweep Time Family: 10 ms to 100 s on the 8350B mainframe catalog
Mainframe Markers Family	five independently adjustable calibrated markers on 8350B
Mainframe State Storage Family	9 save/recall states on 8350B
Internal Am Family	27.8 kHz or 1 kHz selectable on 8350B for scalar analyzers
Network Analyzer Compatibility Family	directly compatible with HP 8510 VNA and HP 8757A scalar when used in 8350B
Operating Temperature Family	0 C to +55 C on 8350B general specifications
Mainframe Line Power Family	100, 120, 220 or 240 V plus or minus 10 percent, 50 to 60 Hz on 8350B
Related Lower Frequency Plugin	83592A/B cover 0.01 to 20 GHz in the same 83500 plug-in family
Form Factor	83500-series RF plug-in
Operating temperature	Family: 0 C to +55 C on 8350B general specifications

83595 Specifications

PARAMETER	VALUE
Agilent 83595 RF Plug In 10 MHz to 26.5 GHz	Overview
Applications	Scalar network analysis, broadband LO, and stand-alone 26.5 GHz swept stimulus with 8350B.
Key Features	10 MHz to 26.5 GHz coaxial coverage
Technical Specifications	Model: 83595

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Family: 0 C to +55 C on 8350B general specifications
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Mainframe Line Power Family	100, 120, 220 or 240 V plus or minus 10 percent, 50 to 60 Hz on 8350B
Related Lower Frequency Plugin	83592A/B cover 0.01 to 20 GHz in the same 83500 plug-in family
Form Factor	83500-series RF plug-in Notes Frequency, power, accuracy, resolution, sweep-time, and stability rows from HP/Agilent 83595 product technical data. 8350B marker, sweep-time span, AM, and environment rows are the published 8350B mainframe catalog specifications that apply when this plug-in is installed; RF harmonics remain those of the 83595 data sheet.
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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	
Technical Specifications	
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Notes

Frequency, power, accuracy, resolution, sweep-time, and stability rows from HP/Agilent 83595 product technical data. 8350B marker, sweep-time span, AM, and environment rows are the published 8350B mainframe catalog specifications that apply when this plug-in is installed; RF harmonics remain those of the 83595 data sheet.

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 ·
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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.