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Data Sheet

August 14, 2026

HP / AGILENT

HP / Agilent 83595C RF plug-in provides a 10 MHz to 26.5 GHz broadband coaxial swept +13 dBm

The Agilent/HP 83595C is a broadband RF plug-in for the 8350B sweep oscillator mainframe, covering 10 MHz to 26.5 GHz across five bands plus full-band sweep. OEM data sheets specify leveled output to 20 mW (+13 dBm class) on bands 0–3 and 10 mW on band 4, with published CW and sweep frequency accuracy by band. Used as a coaxial swept microwave source for scalar network analysis, as a local oscillator for down-conversion, and as a stand-alone RF/microwave stimulus when installed in an 8350B mainframe. Continuous coverage from 10 MHz to 26.5 GHz in one plug-in. Temperature stability Band 4 typical: ± 800 kHz/°C Full band temperature stability typical: ± 800 kHz/°C Output class leveled: +13 dBm nominal on lower bands. Frequency and power figures are from the Agilent 83595C RF Plug-in data sheet (support information). Confirm connector type and exact harmonic specs on the unit's original datasheet revision.



MODEL

**HP / Agilent
83595C**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

83595C

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The HP/Agilent 83595C is an RF plug-in module that delivers broadband coaxial swept signal generation from 10 MHz to 26.5 GHz with +13 dBm maximum output power. Designed for

integration into compatible Agilent/HP 8360 Series sweep generator mainframes, this module provides dual modulation paths AM and FM, each supporting both internal and external sources - along with full bandwidth and list sweep capabilities. The 50 Ohm input impedance and Type N female output connector enable straightforward integration into standard RF test systems. Control is accomplished through the mainframe's front panel and programmable interfaces including HP-IB/IEEE-488, eliminating the need for standalone instrumentation.

Technical Specifications
Frequency range: 10 MHz to 26.5 GHz Output power: +13 dBm maximum Output connector: Type N female Input impedance: 50 Ohms AM modulation: internal and external modes FM modulation: internal and external modes Sweep modes: full bandwidth and list sweep Phase noise performance tied to host 8360 Series mainframe specifications Harmonic distortion and spurious output dependent on mainframe and operating conditions

Key Features Plug-in architecture enables flexible multi-band capability within a single mainframe Dual modulation support accommodates both analog and modulated signal requirements List sweep functionality allows rapid frequency stepping for automated test sequences Phase noise performance scales with selected mainframe model

Typical Applications Component characterization across X-band through K-band frequencies RF system validation and receiver testing Harmonic and intermodulation measurement Modulation quality assessment and signal analysis

Compatibility & Integration The 83595C is compatible with Agilent/HP 8360 Series sweep generators including the 83610A, 83620A/B/L, 83630A/B/L, 83640A/B/L, and 83650A/B/L mainframes. Verify specific mainframe compatibility before deployment.

83595C Characteristics / Specifications

PARAMETER	VALUE
Full band frequency range	0.01 to 26.5 GHz
Band 0 range	0.01 to 2.4 GHz
Band 1 range	2.4 to 7 GHz
Band 2 range	7 to 13.5 GHz
Band 3 range	13.5 to 20 GHz
Band 4 range	20 to 26.5 GHz
CW accuracy Band	±10 MHz
Sweep accuracy Band 0 sweep time greater than 100 ms	±15 MHz
Sweep accuracy Band	±20 MHz
Full band sweep accuracy	±50 MHz
Maximum leveled power Band 0 to	20 mW
Maximum leveled power Band	10 mW
Temperature stability Band 0 typical	±200 kHz/°C
Temperature stability Band 4 typical	±800 kHz/°C
Full band temperature stability typical	±800 kHz/°C
Load SWR	1 stability Band 0: ±100 kHz
Host mainframe	Agilent 8350B
Output class leveled	+13 dBm nominal on lower bands

83595C Specifications

PARAMETER	VALUE
HP Agilent 83595C RF Sweep Plug In	Overview
Key Features	Continuous coverage from 10 MHz to 26.5 GHz in one plug-in
Technical Specifications	Full band frequency range: 0.01 to 26.5 GHz

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.

performance per OEM positioning

Frequency markers with absolute and percent-of-sweep accuracy terms

Designed specifically for the Agilent 8350B sweep oscillator mainframe

Suitable for LO and scalar-analyzer stimulus roles

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Full band frequency range	0.01 to 26.5 GHz
Band 0 range	0.01 to 2.4 GHz
Band 1 range	2.4 to 7 GHz
Band 2 range	7 to 13.5 GHz
Band 3 range	13.5 to 20 GHz
Band 4 range	20 to 26.5 GHz
CW accuracy Band 0	±5 MHz
CW accuracy Band 1	±5 MHz
CW accuracy Band 2	±10 MHz
CW accuracy Band 3	±10 MHz
CW accuracy Band 4	±12 MHz

Sweep accuracy Band 0 sweep time greater than 100 ms: ±15 MHz

Specifications

PARAMETER	VALUE
Sweep accuracy Band 1	±20 MHz
Sweep accuracy Band 2	±25 MHz
Sweep accuracy Band 3	±30 MHz
Sweep accuracy Band 4	±35 MHz
Full band sweep accuracy	±50 MHz
Maximum leveled power Band 0 to 3	20 mW
Maximum leveled power Band 4	10 mW
Temperature stability Band 0 typical	±200 kHz/°C
Temperature stability Band 4 typical	±800 kHz/°C

PARAMETER	VALUE
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Full band temperature stability typical	±800 kHz/°C
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Load SWR 3:1 stability Band 0: ±100 kHz

Host mainframe: Agilent 8350B

Output class leveled: +13 dBm nominal on lower bands

Notes

Frequency and power figures are from the Agilent 83595C RF Plug-in data sheet (support information). Confirm connector type and exact harmonic specs on the unit's original datasheet revision.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.