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Data Sheet

August 5, 2026

KEYSIGHT

Keysight (Agilent) 83631B Synthesized Source, 45 MHz to 26.5 GHz

Keysight (Agilent) 83631B Synthesized Source, 45 MHz to 26.5 GHz The Keysight/Agilent/HP 83631B is a dedicated synthesized swept source for 8510 network analyzer systems covering 45 MHz to 26.5 GHz with 1 Hz resolution. Same dedicated-source architecture as 83621B/83651B: no modulation, no front-panel keyboard/display, rear-panel output oriented for system use. GPIB controllable for stand-alone operation. 8510 VNA system source to 26.5 GHz; automated microwave swept/CW stimulus. The Keysight/Agilent/HP 83631B is a dedicated synthesized swept source for 8510 network analyzer systems covering 45 MHz to 26.5 GHz with 1 Hz resolution. Same dedicated-source architecture as 83621B/83651B: no modulation, no front-panel keyboard/display, rear-panel output oriented for system use. GPIB controllable for stand-alone operation. 8510 VNA system source to 26.5 GHz; automated microwave swept/CW stimulus.

No photo

MODEL

Keysight 83631B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

83631B

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: 45 MHz to 26.5 GHz • Resolution: 1 Hz • Maximum leveled power: +10 dBm (≤ 20 GHz); +4 dBm (20–26.5 GHz) • Minimum settable power: –20 dBm • CW accuracy: same as time base • Swept-mode accuracy per 8360B dedicated-source tables (width-dependent) • Related: 83621B (20 GHz), 83651B (50 GHz)

83631B Characteristics / Specifications

PARAMETER	VALUE
Model	83631B
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Synthesized Swept Source (8510 dedicated)
Family	8360B / 8510 System Sources
Alias	83631B; HP 83631B; Agilent 83631B Frequency / Power 45 MHz–26.5 GHz; 1 Hz resolution
Max leveled	+10 dBm $\leq$ 20 GHz; +4 dBm to 26.5 GHz
Min settable	–20 dBm Operational Notes Prefer Agilent 8360B Series datasheet (5964-6162).
Frequency	45 MHz to 26.5 GHz
Resolution	1 Hz
Maximum leveled power	+10 dBm ($\leq$ 20 GHz); +4 dBm (20–26.5 GHz)
Minimum settable power	–20 dBm
CW accuracy	same as time base
Related	83621B (20 GHz), 83651B (50 GHz)

83631B Specifications

PARAMETER	VALUE
Applications	8510 VNA system source to 26.5 GHz; automated microwave swept/CW stimulus.
Key Features	- Frequency: 45 MHz to 26.5 GHz
Technical Specifications	Model: 83631B
Frequency / Power	45 MHz–26.5 GHz; 1 Hz resolution
Operational Notes	Prefer Agilent 8360B Series datasheet (5964-6162).

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	83631B
Manufacturer	Keysight Technologies (Agilent / HP)
Instrument Type	Synthesized Swept Source (8510 dedicated)
Family	8360B / 8510 System Sources
Alias	83631B; HP 83631B; Agilent 83631B

Specifications

PARAMETER	VALUE
Frequency / Power	45 MHz-26.5 GHz; 1 Hz resolution
Max leveled	+10 dBm ≤20 GHz; +4 dBm to 26.5 GHz
Min settable	-20 dBm

Operational Notes

Prefer Agilent 8360B Series datasheet (5964-6162).

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

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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.