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Data Sheet

August 13, 2026

ANRITSU

Anritsu 68095B Synthesized CW Generator, 0.5 GHz to 65.0 GHz

Anritsu 68095B Synthesized CW Generator 0.5 GHz to 65 GHz The Anritsu 68095B is a synthesized CW generator covering 0.5 GHz to 65 GHz in the 68000B family. It provides accurate leveled CW and digital frequency/power sweep for LO duty and ATE where coverage starts at 500 MHz, with banded leveled output per 6XX95 tables and GPIB control. Modulation is not included on the base CW model. The Anritsu 68095B is a synthesized CW generator covering 0.5 GHz to 65 GHz in the 68000B family. It provides accurate leveled CW and digital frequency/power sweep for LO duty and ATE where coverage starts at 500 MHz, with banded leveled output per 6XX95 tables and GPIB control. Modulation is not included on the base CW model.



MODEL

Anritsu 68095B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

68095B

LISTING

<https://aumictechlabs.com/products/68095b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 68095B is a synthesized CW generator delivering phase-locked continuous wave signals across 0.5 GHz to 65.0 GHz. Purpose-built for telecommunications, aerospace, and defense testing, this instrument generates stable, spectrally pure signals with exceptional frequency resolution and dynamic range control. Technical Specifications Frequency Range: 0.5

GHz to 65.0 GHz Frequency Resolution: 0.01 Hz Output Power: -110 dBm to +20 dBm Signal Purity: Phase Noise: -120 dBc/Hz at 10 kHz offset (typical) Harmonics: < -60 dBc Non-Harmonics: < -80 dBc Spurious: < -80 dBc Modulation: Internal AM, FM, phase modulation, and pulse modulation. User-downloaded complex modulation capability supported. Sweep & Agility: Step sweep with 1 ms to 99 seconds dwell time Switching time: < 15 ms + 1 ms/GHz or < 40 ms typical maximum Alternate sweep mode between two ranges with independent power selection Manual sweep with phase-locked frequency adjustment Programmable frequency list: up to 1000 non-sequential frequencies via GPIB Interfaces: GPIB, USB, LAN Physical: 425 mm × 177 mm × 500 mm; 25 kg Key Features 0.01 Hz frequency resolution enables precise carrier placement and test repeatability Low phase noise and high spectral purity suit demanding metrology and component characterization Multiple sweep modes CW, step, alternate, and manual - address diverse measurement workflows Frequency list storage accommodates rapid multi-point stimulus sequences without settling delays Typical Applications High-frequency component characterization and gain/phase measurement Receiver sensitivity and dynamic range testing Antenna pattern and directivity evaluation System integration and end-to-end performance validation Compatibility & Integration The 68095B integrates with Anritsu and HP/Agilent accessories and modules. Instrument drivers support LabWindows and GPIB-based automated test environments, enabling direct control and real-time parameter adjustment within existing measurement frameworks.

Features & description

From manufacturer datasheet

Features

- Frequency coverage 0.5 GHz to 65 GHz • Digital frequency sweep and digital power sweep • Optional 0.1 Hz resolution Option 11 • Optional mechanical step attenuator where available by band • Optional high stability time base Option 16 • IEEE-488 GPIB remote control

Applications

- Stimulus across 0.5 to 65 GHz • ATE with fast switching and list mode • Millimeter-wave LO substitution • Compact rack microwave source applications

68095B Characteristics / Specifications

PARAMETER	VALUE
Model	68095B
Manufacturer	Anritsu / Wiltron
Instrument Type	Synthesized CW Generator
Alias	68095B; Anritsu 68095B
Frequency range	0.5 GHz to 65 GHz
Family	68000B Series
Leveled output 0.5 to 2.2 GHz	+11 dBm
Leveled output greater than 2.2 to 20 GHz	+10 dBm
Leveled output greater than 20 to 40 GHz	+2.5 dBm
Leveled output greater than 40 to 50 GHz	0 dBm
Leveled output greater than 50 to 65 GHz	-2 dBm
Step attenuator above 40 GHz	not available per datasheet tables
Minimum leveled power without attenuator	-15 dBm (-20 dBm typical)
Minimum leveled power with attenuator	-105 dBm class
Output power resolution	0.01 dB
CW frequency resolution standard	1 kHz
CW frequency resolution Option	0.1 Hz
Internal time base aging	less than 2×10^{-8} /day
Internal time base aging Option	less than 5×10^{-10} /day
SSB phase noise 68XXXB at 50 GHz 10 kHz class	-66 dBc/Hz
Harmonics family typical	-50 to -60 dBc by band
Nonharmonic spurious typical	-60 dBc
Switching time without attenuator change	less than 3 ms typical

PARAMETER	VALUE
Remote control	IEEE 488 GPIB
Display	Dot matrix LCD
Dimensions	about 5.25 inHx 16.875 inWx 23.5 inDWeight: about 50 lb
Related signal model	68295B
Related sweep model	68195B
Related sweep signal model	68395B
Related full band from 10 MHz	68097B
Modulation on base CW model	not included Notes Power rows from Anritsu 68000B/69000A datasheet 6XX95 tables for 68095B (0.5–65 GHz). Confirm Option 11/16, RF connector, and attenuator availability above 40 GHz 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	
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Notes

Power rows from Anritsu 68000B/69000A datasheet 6XX95 tables for 68095B (0.5–65 GHz). Confirm Option 11/16, RF connector, and attenuator availability above 40 GHz on the unit.

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 ·
30-day returns
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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.