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Data Sheet

August 13, 2026

ANRITSU

Anritsu 68155B Synthesized Sweep Generator, 0.5 to 26.5 GHz

Anritsu 68155B Synthesized Sweep Generator 0.5 to 26.5 GHz The Anritsu 68155B is a synthesized sweep generator covering 0.5 GHz to 26.5 GHz in the 68000B synthesizer family. It provides CW and analog/step sweep stimulus optimized for swept measurements and LO substitution at moderate cost relative to the ultra-low-noise 69A line, as the sweep member of the 6XX55B coverage class. The Anritsu 68155B is a synthesized sweep generator covering 0.5 GHz to 26.5 GHz in the 68000B synthesizer family. It provides CW and analog/step sweep stimulus optimized for swept measurements and LO substitution at moderate cost relative to the ultra-low-noise 69A line, as the sweep member of the 6XX55B coverage class.



MODEL

Anritsu 68155B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

68155B

LISTING

<https://aumictechlabs.com/products/68155b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 68155B is a synthesized sweep generator delivering accurate signal generation across 0.5 to 26.5 GHz with low phase noise performance. Built for verification testing of microwave devices and subsystems, it operates reliably in both laboratory and field environments. Technical Specifications Frequency Range: 0.5 GHz to 26.5 GHz Signal Generation: Synthesized sweep with low phase noise Operational Environment: Laboratory and field deployment Key Features The 68155B supports multiple sweep modes for flexible device

characterization:Continuous Wave (CW) stimulus for static frequency testingStep sweep for discrete frequency point analysisAnalog sweep for continuous frequency traversal across defined rangesManual sweep with stepped, phase-locked frequency adjustmentAlternate sweep mode enabling user-defined range pairs with associated power level controlTypical Applications
Designed for performance verification of microwave devices and subsystems across the full 0.5–26.5 GHz band. Applicable to component characterization, subsystem validation, and in-service field testing.Compatibility & Integration The 68155B integrates into automated test systems and networked measurement environments. Standard control interfaces support remote operation and system integration for both bench and production test applications.

Features & description

From manufacturer datasheet

Features

- Coverage 0.5 to 26.5 GHz
- Analog and phase locked step sweep
- 68B family excellent phase noise at moderate cost
- List sweep with large frequency/power tables
- Optional 0.1 Hz resolution and high stability time base
- Optional high power Option 15
- GPIB remote control
- K female RF output class

Applications

- Broadband swept network analysis to 26.5 GHz
- CW and step sweep LO substitution
- ATE microwave stimulus
- Component and system swept characterization
- Upgrade path within 68B synthesizer family

High power Option 15 greater than 20 to 26.5 GHz: +10 dBm

Output power resolution: 0.01 dB Frequency resolution standard: 1 kHz Frequency resolution Option 11: 0.1 Hz CW accuracy: same as internal or external 10 MHz time base Internal time base aging: less than 2×10^{-8} /day Internal time base aging Option 16: less than 5×10^{-10} /day Analog sweep width: 1 MHz to full range Analog sweep time: 30 ms to 99 s Step sweep steps: 1 to 10000 List sweep points: up to 2000 per table Minimum leveled power without attenuator: to -15 dBm (-20 dBm typical) Minimum leveled power with attenuator: to -120 dBm class Remote control: GPIB Dimensions: 133 mmHx 429 mmWx 597 mmDMass: less than or equal to 23 kg RF output connector: TypeKfemale Related CW model: 68055B Related signal model: 68255B Related sweep signal model: 68355B Related ultra low noise sweep: 69155A Notes Specs from Anritsu/Wiltron 68B Series frequency charts and 6XX55 power tables for 68155B (0.5–26.5 GHz). Confirm options and leveled power on the unit.

68155B Characteristics / Specifications

PARAMETER	VALUE
Model	68155B
Manufacturer	Anritsu
Instrument Type	Synthesized Sweep Generator
Alias	68155B; Anritsu 68155B
Frequency range	0.5 GHz to 26.5 GHz
Family	68000B synthesizers
Leveled power 0.5 to 2.2 GHz	+13 dBm
Leveled power greater than 2.2 to 20 GHz	+9 dBm
Leveled power greater than 20 to 26.5 GHz	+6 dBm
Leveled power with step attenuator 0.5 to 2.2 GHz	+11 dBm
Leveled power with step attenuator greater than 2.2 to 20 GHz	+7 dBm
Leveled power with step attenuator greater than 20 to 26.5 GHz	+3.5 dBm
High power Option 15 0.5 to 20 GHz	+13 dBm
High power Option 15 greater than 20 to 26.5 GHz	+10 dBm
Output power resolution	0.01 dB
Frequency resolution standard	1 kHz
Frequency resolution Option	0.1 Hz
CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2×10^{-8} /day
Internal time base aging Option	less than 5×10^{-10} /day
Analog sweep width	1 MHz to full range
Analog sweep time	30 ms to 99 s

PARAMETER	VALUE
Step sweep steps	1 to 10000
List sweep points	up to 2000 per table
Minimum leveled power without attenuator	to -15 dBm (-20 dBm typical)
Minimum leveled power with attenuator	to -120 dBm class
Remote control	GPIO
Dimensions	133 mmHx 429 mmWx 597 mmDMass: less than or equal to 23 kg
RF output connector	TypeKfemale
Related CW model	68055B
Related signal model	68255B
Related sweep signal model	68355B
Related ultra low noise sweep	69155A Notes Specs from Anritsu/Wiltron 68B Series frequency charts and 6XX55 power tables for 68155B (0.5–26.5 GHz). Confirm options and leveled power 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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PARAMETER	VALUE
Output power resolution	0.01 dB
Frequency resolution standard	1 kHz
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CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2 x 10 ⁻⁸ /day
Internal time base aging Option 16	less than 5 x 10 ⁻¹⁰ /day
Analog sweep width	1 MHz to full range
Analog sweep time	30 ms to 99 s
Step sweep steps	1 to 10000
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Notes

Specs from Anritsu/Wiltron 68B Series frequency charts and 6XX55 power tables for 68155B (0.5-26.5 GHz).
 Confirm options and leveled power 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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.