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**Data Sheet**

August 2, 2026

ANRITSU

# Anritsu 68369A

Anritsu 68369A Synthesized Sweeper Signal Generator, 10 MHz – 40 GHz The 68369A provides a Wiltron/Anritsu 683xx-series synthesized sweeper and signal generator designed for CW and swept RF/microwave measurements from 10 MHz to 40 GHz on a single coax output with analog, step, and manual sweep modes. The instrument supports leveled output power, AM/FM/PM/pulse modulation, and GPIB remote control for component and system test. Microwave and mm-wave component characterization; swept-frequency network and spectrum measurements; phase noise evaluation; leveled power stimulus for amplifiers and mixers; pulsed and modulated signal test; automated production and R&D via GPIB; CW and swept stimulus to 40 GHz. The 68369A provides a Wiltron/Anritsu 683xx-series synthesized sweeper and signal generator designed for CW and swept RF/microwave measurements from 10 MHz to 40 GHz on a single coax output with analog, step, and manual sweep modes. The instrument supports leveled output power, AM/FM/PM/pulse modulation, and GPIB remote control for component and system test. Microwave and mm-wave component characterization; swept-frequency network and spectrum measurements; phase noise evaluation; leveled power stimulus for amplifiers and mixers; pulsed and modulated signal test; automated production and R&D via GPIB; CW and swept stimulus to 40 GHz.

No photo

MODEL

**Anritsu 68369A**

CALIBRATION

**N/A — off-catalog  
OEM datasheet**

CONDITION

**See OEM  
documentation**

STATUS

**Not listed on  
Aumictech  
inventory**

RFQ / SKU

**68369A**

LISTING

**Off-catalog — OEM dat  
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

## Features & description

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From manufacturer datasheet

### Features

- Frequency range 10 MHz to 40 GHz, single coax output
- Synthesized sweeper and CW signal generator
- Analog, step, and manual sweep modes
- SSB phase noise class -100 dBc/Hz at 10 kHz offset from 10 GHz
- Leveled output power class -125 to +17 dBm (attenuator option dependent)
- AM, FM,  $\Phi$ M, and pulse modulation
- GPIB remote interface
- CW and sweep operation

# 68369A Characteristics / Specifications

| PARAMETER            | VALUE                                                                                                                                                                                                                                                                                                     |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Model                | 68369A                                                                                                                                                                                                                                                                                                    |
| Manufacturer         | Anritsu (Wiltron 683xx family)                                                                                                                                                                                                                                                                            |
| Instrument Type      | Synthesized Sweeper / Signal Generator                                                                                                                                                                                                                                                                    |
| Frequency Range      | 10 MHz to 40 GHz                                                                                                                                                                                                                                                                                          |
| Output               | Single coax                                                                                                                                                                                                                                                                                               |
| Sweep Modes          | Analog, step, manual                                                                                                                                                                                                                                                                                      |
| SSB Phase Noise      | Class -100 dBc/Hz at 10 kHz offset from 10 GHz                                                                                                                                                                                                                                                            |
| Leveled Output Power | Class -125 to +17 dBm (attenuator option dependent; maximum leveled power decreases at high bands)                                                                                                                                                                                                        |
| Modulation           | AM, FM, ΦM, pulse                                                                                                                                                                                                                                                                                         |
| Remote Interface     | GPIB                                                                                                                                                                                                                                                                                                      |
| Operation            | CW and sweep                                                                                                                                                                                                                                                                                              |
| Alias                | 68369A Standard Operating Conditions Allow adequate warm-up for phase noise and leveled-power accuracy. Select attenuator and leveling options appropriate to band and required output power—maximum leveled power falls at upper frequency bands. Use rated coax and termination at mm-wave frequencies. |

# 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                                                                                                                                                                                                                                                                           | 68369A                                                                                             |
| Manufacturer                                                                                                                                                                                                                                                                    | Anritsu (Wiltron 683xx family)                                                                     |
| Instrument Type                                                                                                                                                                                                                                                                 | Synthesized Sweeper / Signal Generator                                                             |
| Frequency Range                                                                                                                                                                                                                                                                 | 10 MHz to 40 GHz                                                                                   |
| Output                                                                                                                                                                                                                                                                          | Single coax                                                                                        |
| Sweep Modes                                                                                                                                                                                                                                                                     | Analog, step, manual                                                                               |
| SSB Phase Noise                                                                                                                                                                                                                                                                 | Class -100 dBc/Hz at 10 kHz offset from 10 GHz                                                     |
| Leveled Output Power                                                                                                                                                                                                                                                            | Class -125 to +17 dBm (attenuator option dependent; maximum leveled power decreases at high bands) |
| Modulation                                                                                                                                                                                                                                                                      | AM, FM, $\Phi$ M, pulse                                                                            |
| Remote Interface                                                                                                                                                                                                                                                                | GPIO                                                                                               |
| Operation                                                                                                                                                                                                                                                                       | CW and sweep                                                                                       |
| Alias                                                                                                                                                                                                                                                                           | 68369A                                                                                             |
| Standard Operating Conditions                                                                                                                                                                                                                                                   |                                                                                                    |
| Allow adequate warm-up for phase noise and leveled-power accuracy. Select attenuator and leveling options appropriate to band and required output power-maximum leveled power falls at upper frequency bands. Use rated coax and termination at mm-wave frequencies.            |                                                                                                    |
| Operational Notes                                                                                                                                                                                                                                                               |                                                                                                    |
| 68369A is the A-revision within the 683xx sweeper family; later B-revision models may differ in option codes and performance limits-confirm revision on faceplate and option list. Leveled power range depends on internal and external attenuator configuration. Alias 68369A. |                                                                                                    |

### 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](mailto:sales@aumictech.com) · +1 (484) 841-9341

#### Aumictech

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Generated August 2, 2026

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