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Data Sheet

August 1, 2026

ANRITSU

Anritsu 68069B Synthesized CW Generator

11 Fine frequency resolution; 15 High power; 16 High-stability ovenized crystal timebase; step attenuator; rack mount 68169B: sweep generator sibling, same band Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate coax/waveguide adapters through 40 GHz. Do not exceed leveled power into sensitive receivers without attenuation. Correct spelling is Anritsu (user "Anrtisu"). Confirm Option 15 before quoting high-power levels. CW-only 68069B does not include analog sweep—use 68169B for sweep. 68169B: sweep generator sibling, same band Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate coax/waveguide adapters through 40 GHz. Do not exceed leveled power into sensitive receivers without attenuation. Correct spelling is Anritsu (user "Anrtisu"). Confirm Option 15 before quoting high-power levels. CW-only 68069B does not include analog sweep—use 68169B for sweep.

No photo

MODEL

Anritsu 68069B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

68069B

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 range 10 MHz (0.01 GHz) to 40 GHz
- Synthesized CW operation with high-resolution phase lock
- Standard frequency resolution 1 kHz; Option 11 for 0.1 Hz class resolution
- Leveled output power to +13 dBm (below 2 GHz), +9 dBm (2-20 GHz), and +6 dBm (20-40 GHz) without step attenuator
- Optional high-power output (Option 15) and high-stability oven timebase (Option 16)
- Optional step attenuator
- Front-panel LCD with rotary knob and keypad
- IEEE-488 / GPIB remote control of all functions except power on/standby

68069B Characteristics / Specifications

PARAMETER	VALUE
Model	68069B
Manufacturer	Anritsu / Wiltron
Series	680XXB Synthesized CW Generators
Instrument Type	Synthesized CW microwave signal generator
Frequency Range	0.01 GHz (10 MHz) to 40.0 GHz
Frequency Resolution	1 kHz standard; 0.1 Hz with Option 11
With step attenuator	about +11 dBm (below 2 GHz); +7 dBm (2-20 GHz); +3 dBm (20-40 GHz) Spectral Purity (680XXB family examples at carrier) SSB phase noise examples scale with carrier frequency per Anritsu 68B/69A datasheet tables General
Dimensions	about 5.25 inHx 16.875 inWx 23.5 inDWeight: about 50 lb class
Remote Interface	IEEE-488 (GPIB)
Display	Dot-matrix LCD Common Options 11 Fine frequency resolution; 15 High power; 16 High-stability ovenized crystal timebase; step attenuator; rack mount Family Context 68059B: 10 MHz to 26.5 GHz CW 68063B: 2 to 40 GHz CW 68069B: 10 MHz to 40 GHz CW 68169B: sweep generator sibling, same band

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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Series	680XXB Synthesized CW Generators
Instrument Type	Synthesized CW microwave signal generator
Frequency Range	0.01 GHz (10 MHz) to 40.0 GHz
Frequency Resolution	1 kHz standard; 0.1 Hz with Option 11

RF Output Power (standard, without step attenuator) – 6XX69 class
0.01 to less than 2 GHz: +13 dBm
2 to 20 GHz: +9 dBm
20 to 40 GHz: +6 dBm
With step attenuator: about +11 dBm (below 2 GHz); +7 dBm (2-20 GHz); +3 dBm (20-40 GHz)

Spectral Purity (680XXB family examples at carrier)
SSB phase noise examples scale with carrier frequency per Anritsu 68B/69A datasheet tables

General

Specifications

PARAMETER	VALUE
Dimensions	about 5.25 inHx 16.875 inWx 23.5 inDWeight: about 50 lb class
Remote Interface	IEEE-488 (GPIB)
Display	Dot-matrix LCD

Common Options
11 Fine frequency resolution; 15 High power; 16 High-stability ovenized crystal timebase; step attenuator; rack mount

Family Context

68059B: 10 MHz to 26.5 GHz CW

68063B: 2 to 40 GHz CW

68069B: 10 MHz to 40 GHz CW

68169B: sweep generator sibling, same band

Standard Operating Conditions

Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate coax/waveguide adapters through 40 GHz. Do not exceed leveled power into sensitive receivers without attenuation.

Operational Notes

Correct spelling is Anritsu (user "Anrtisu"). Confirm Option 15 before quoting high-power levels. CW-only 68069B does not include analog sweep—use 68169B for sweep.

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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
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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.