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Data Sheet

August 1, 2026

ANRTISU

Anrtisu 68059B Synthesized CW Generator, 0.01 – 26.5 GHz

Dimensions: about 5.25 inHx 16.875 inWx 23.5 inDWeight: about 50 lb class 11 Fine frequency resolution; 15 High power; 16 High-stability ovenized crystal timebase; step attenuator; rack mount Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate coax adapters for the installed RF connector. 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 68059B does not include analog sweep—use the corresponding 681xxB for sweep. 11 Fine frequency resolution; 15 High power; 16 High-stability ovenized crystal timebase; step attenuator; rack mount Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate coax adapters for the installed RF connector. 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 68059B does not include analog sweep—use the corresponding 681xxB for sweep.

No photo

MODEL

Anrtisu 68059B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

68059B

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 26.5 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 (20-26.5 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

68059B Characteristics / Specifications

PARAMETER	VALUE
Model	68059B
Manufacturer	Anritsu / Wiltron
Series	680XXB Synthesized CW Generators
Instrument Type	Synthesized CW microwave signal generator
Frequency Range	0.01 GHz (10 MHz) to 26.5 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); +3.5 dBm (20-26.5 GHz) Spectral Purity (680XXB family examples at carrier)
SSB phase noise examples	about -80 dBc/Hz at 2 GHz / 10 kHz offset; about -66 dBc/Hz at 20 GHz / 10 kHz offset; about -63 dBc/Hz at 26.5 GHz / 10 kHz offset (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 68047B: 10 MHz to 20 GHz CW 68053B: 2 to 26.5 GHz CW 68059B: 10 MHz to 26.5 GHz CW 68063B: 2 to 40 GHz CW

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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Frequency Range	0.01 GHz (10 MHz) to 26.5 GHz
Frequency Resolution	1 kHz standard; 0.1 Hz with Option 11

RF Output Power (standard, without step attenuator) – 6XX59 class
0.01 to less than 2 GHz: +13 dBm
2 to 20 GHz: +9 dBm
20 to 26.5 GHz: +6 dBm
With step attenuator: about +11 dBm (below 2 GHz); +7 dBm (2-20 GHz); +3.5 dBm (20-26.5 GHz)

Spectral Purity (680XXB family examples at carrier)
SSB phase noise examples: about -80 dBc/Hz at 2 GHz / 10 kHz offset; about -66 dBc/Hz at 20 GHz / 10 kHz offset; about -63 dBc/Hz at 26.5 GHz / 10 kHz offset (datasheet tables)

General

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Remote Interface	IEEE-488 (GPIB)
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Common Options
11 Fine frequency resolution; 15 High power; 16 High-stability ovenized crystal timebase; step attenuator; rack mount

Family Context

68047B: 10 MHz to 20 GHz CW

68053B: 2 to 26.5 GHz CW

68059B: 10 MHz to 26.5 GHz CW

68063B: 2 to 40 GHz CW

Standard Operating Conditions

Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate coax adapters for the installed RF connector. 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 68059B does not include analog sweep—use the corresponding 681xxB 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

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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.