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Data Sheet

August 1, 2026

ANRTISU

Anritsu 68063B Synthesized CW Generator, 2.0 – 40.0 GHz

11 Fine frequency resolution; 15 High power; 16 High-stability ovenized crystal timebase; step attenuator; rack mount 68163B: sweep generator sibling, same band class Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate coax/waveguide adapters for the installed RF connector 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 68063B does not include analog sweep—use the corresponding 681xxB for sweep. 68163B: sweep generator sibling, same band class Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate coax/waveguide adapters for the installed RF connector 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 68063B does not include analog sweep—use the corresponding 681xxB for sweep.

No photo

MODEL

Anrtisu 68063B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

68063B

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 2 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 +9 dBm (2-20 GHz) and +6 dBm (20-40 GHz) without step attenuator (6XX63 class)
- 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

68063B Characteristics / Specifications

PARAMETER	VALUE
Model	68063B
Manufacturer	Anritsu / Wiltron
Series	680XXB Synthesized CW Generators
Instrument Type	Synthesized CW microwave signal generator
Frequency Range	2.0 GHz to 40.0 GHz
Frequency Resolution	1 kHz standard; 0.1 Hz with Option 11
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 68059B: 10 MHz to 26.5 GHz CW 68063B: 2 to 40 GHz CW 68163B: sweep generator sibling, same band class

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 Resolution	1 kHz standard; 0.1 Hz with Option 11

RF Output Power (standard, without step attenuator) – 6XX63 class

2 to 20 GHz: +9 dBm

20 to 40 GHz: +6 dBm

Spectral Purity (680XXB family examples at carrier)

SSB phase noise examples scale with carrier frequency per Anritsu 68B/69A datasheet tables (similar family figures as other 680XXB models at comparable carriers)

General

Specifications

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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

68059B: 10 MHz to 26.5 GHz CW

68063B: 2 to 40 GHz CW

68163B: sweep generator sibling, same band class

Standard Operating Conditions

Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate coax/waveguide adapters for the installed RF connector 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 68063B 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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<https://aumictechlabs.com>

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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.