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Data Sheet

August 1, 2026

ANRTISU

Anritsu 68053B Synthesized CW Generator, 2–26.5 GHz

11 Fine frequency resolution; 15 High power; 16 High-stability ovenized crystal timebase; step attenuator; rack mount 68153B: sweep generator sibling, same band Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate waveguide/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 68053B does not include analog sweep—use 68153B for sweep. 68153B: sweep generator sibling, same band Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate waveguide/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 68053B does not include analog sweep—use 68153B for sweep.

No photo

MODEL

Anrtisu 68053B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

68053B

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 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 +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 (16 lines x 40 characters class) with rotary knob and keypad
- IEEE-488 / GPIB remote control of all functions except power on/standby

68053B Characteristics / Specifications

PARAMETER	VALUE
Model	68053B
Manufacturer	Anritsu / Wiltron
Series	680XXB Synthesized CW Generators
Instrument Type	Synthesized CW microwave signal generator
Frequency Range	2 GHz to 26.5 GHz
Frequency Resolution	1 kHz standard; 0.1 Hz with Option 11 RF Output Power (standard, without step attenuator) 2 to 20 GHz: +9 dBm 20 to 26.5 GHz: +6 dBm
With step attenuator	about +7 dBm (2-20 GHz); +3.5 dBm (20-26.5 GHz)
With Option 15 (high power)	about +13 dBm (2 to less than 20 GHz); +10 dBm (20-26.5 GHz) class 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 68045B: 0.5 to 20 GHz CW 68047B: 10 MHz to 20 GHz CW 68053B: 2 to 26.5 GHz CW 68153B: 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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RF Output Power (standard, without step attenuator)

2 to 20 GHz: +9 dBm

20 to 26.5 GHz: +6 dBm

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Spectral Purity (680XXB family examples at carrier)

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Common Options

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Family Context

68045B: 0.5 to 20 GHz CW

68047B: 10 MHz to 20 GHz CW

68053B: 2 to 26.5 GHz CW

68153B: sweep generator sibling, same band

Standard Operating Conditions

Allow warm-up for frequency accuracy, especially with Option 16 oven. Use appropriate waveguide/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 68053B does not include analog sweep—use 68153B 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.