

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 1, 2026

ANRTISU

Anritsu 68075B Synthesized CW Generator, 0.5 – 50.0 GHz

11 Fine frequency resolution; 15 High power; 16 High-stability ovenized crystal timebase; step attenuator; rack mount 68175B: sweep generator sibling, same 0.5-50 GHz band Allow warm-up for frequency accuracy, especially with Option 16. Use appropriate coaxial or waveguide adapters for the installed RF connector above Ka-band. Observe leveled-power limits into sensitive receivers. Correct spelling is Anritsu (user "Anrtisu"). CW-only 68075B does not include analog sweep—use 68175B for sweep. Confirm connector type and Option 15 before quoting high-band power. 68175B: sweep generator sibling, same 0.5-50 GHz band Allow warm-up for frequency accuracy, especially with Option 16. Use appropriate coaxial or waveguide adapters for the installed RF connector above Ka-band. Observe leveled-power limits into sensitive receivers. Correct spelling is Anritsu (user "Anrtisu"). CW-only 68075B does not include analog sweep—use 68175B for sweep. Confirm connector type and Option 15 before quoting high-band power.

No photo

MODEL

Anritsu 68075B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

68075B

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 0.5 GHz to 50.0 GHz • Synthesized CW operation with high-resolution phase lock • Standard frequency resolution 1 kHz; Option 11 for 0.1 Hz class resolution • Banded leveled output power per 6XX75 family tables • Optional high-power (Option 15) and high-stability oven timebase (Option 16) • Optional step attenuator • Front-panel LCD with rotary knob and keypad; store up to about 1000 frequency registers • IEEE-488 / GPIB remote control of all functions except power on/standby

68075B Characteristics / Specifications

PARAMETER	VALUE
Model	68075B
Manufacturer	Anritsu / Wiltron
Series	680XXB Synthesized CW Generators
Instrument Type	Synthesized CW microwave/mm-wave signal generator
Frequency Range	0.5 GHz to 50.0 GHz
Frequency Resolution	1 kHz standard; 0.1 Hz with Option 11
With step attenuator	about +10 / +8.5 / 0 / -1 dBm across the same bands Dealer summaries sometimes quote a single +11 dBm figure representing the low-band maximum 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 68053B: 2 to 26.5 GHz CW 68075B: 0.5 to 50 GHz CW 68077B: 10 MHz to 50 GHz CW 68175B: sweep generator sibling, same 0.5-50 GHz 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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Frequency Range	0.5 GHz to 50.0 GHz
Frequency Resolution	1 kHz standard; 0.1 Hz with Option 11

RF Output Power (standard, without step attenuator – 6XX75 family)
0.5 to 2.2 GHz: +11 dBm
2.2 to 20 GHz: +10 dBm
20 to 40 GHz: +2.5 dBm
40 to 50 GHz: +2.5 dBm
With step attenuator: about +10 / +8.5 / 0 / -1 dBm across the same bands
Dealer summaries sometimes quote a single +11 dBm figure representing the low-band maximum

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

68045B: 0.5 to 20 GHz CW

68053B: 2 to 26.5 GHz CW

68075B: 0.5 to 50 GHz CW

68077B: 10 MHz to 50 GHz CW

68175B: sweep generator sibling, same 0.5-50 GHz band

Standard Operating Conditions

Allow warm-up for frequency accuracy, especially with Option 16. Use appropriate coaxial or waveguide adapters for the installed RF connector above Ka-band. Observe leveled-power limits into sensitive receivers.

Operational Notes

Correct spelling is Anritsu (user "Anrtisu"). CW-only 68075B does not include analog sweep-use 68175B for sweep. Confirm connector type and Option 15 before quoting high-band power.

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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<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.