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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69067B Ultra Low Noise Synthesized CW Generator, 0.01 to 40.0 GHz

Anritsu 69067B Ultra Low Noise Synthesized CW Generator 0.01–40 GHz The Anritsu 69067B is an ultra-low-noise synthesized CW generator covering 0.01 GHz to 40 GHz in the 69000B family. It delivers broadband coax CW with banded leveled power through 40 GHz for LO and ATE applications requiring the 69B phase-noise class. The Anritsu 69067B is an ultra-low-noise synthesized CW generator covering 0.01 GHz to 40 GHz in the 69000B family. It delivers broadband coax CW with banded leveled power through 40 GHz for LO and ATE applications requiring the 69B phase-noise class.



MODEL

Anritsu 69067B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69067B

LISTING

<https://aumictechlabs.com/products/69067b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 69067B is a synthesized continuous wave generator delivering ultra-low phase noise and spurious signals across 0.01 GHz to 40.0 GHz. Engineered for ATE applications requiring high sensitivity and low-distortion performance, this compact instrument generates phase-locked CW signals with exceptional spectral purity - achieving -107 dBc SSB phase noise at 10 kHz offset from 10 GHz. Output power ranges from +13 dBm to -15 dBm typically, expandable to -120 dBm with attenuator and down to -125 dBm minimum. Frequency resolution of 100.0 mHz (0.1 Hz

optional) enables precise tuning, while digital frequency and power sweep modes support both manual stepped adjustment and list sweep operation with up to 4 tables of 2000 non-sequential frequency/power sets. Switching time remains under 5 ms for steps below 100 MHz and typically under 25 ms for units with 20 GHz or higher frequency ceiling. The oven-stabilized internal reference oscillator provides $<5 \times 10^{-10}$ per day frequency stability. Output level adjustment resolves to 0.01 dB steps, guaranteeing leveled power up to +17 dBm from DC to 20 GHz. GPIB control and optional SCPI programmability enable ATE integration, while IVI-COM and National Instruments LabVIEW drivers facilitate rapid deployment. The single 13.3 cm package minimizes rack footprint. Millimeter wave source modules extend performance to 110 GHz; economical upgrades to higher-performing models and broader frequency coverage are available. Ideal for low-jitter clock generation, laser system references, and high-bit-rate digital modulation testing.

Technical Specifications

Frequency range: 0.01 GHz to 40.0 GHz
Frequency resolution: 100.0 mHz (0.1 Hz optional)
Output power: +13 dBm to -15 dBm typical; -120 dBm with attenuator; -125 dBm minimum
Leveled power guarantee: +17 dBm to 20 GHz
Output level adjustment: 0.01 dB steps
SSB phase noise: -107 dBc at 10 kHz offset from 10 GHz
Frequency switching: <5 ms for steps <100 MHz; <25 ms typical to within 1 kHz (≥ 20 GHz units)
Internal reference: Oven-stabilized, $<5 \times 10^{-10}$ per day stability
Interface: IEEE-488 GPIB; optional SCPI
Drivers: IVI-COM, National Instruments LabVIEW

Key Features

- Ultra-low SSB phase noise and spurious signal performance
- Digital frequency and power sweep modes
- Manual sweep: stepped, phase-locked adjustment with user-selectable steps or step size
- List sweep: 4 tables, 2000 non-sequential frequency/power sets per table
- Compact 13.3 cm single-package form factor
- 90 dB and 120 dB electronic step attenuator options

Typical Applications

- Low-jitter clock generation and distribution
- Laser system frequency references
- High-bit-rate digital modulation system testing
- Sensitive receiver characterization and ATE

Compatibility & Integration

Part of the Anritsu 68C/69B series. Millimeter wave source modules extend frequency range to 110 GHz. Upgradeable to higher-performance models.

Features & description

From manufacturer datasheet

Features

- Coverage 0.01 to 40 GHz • Ultra-low-noise 69B CW architecture • Digital frequency and power sweep • Optional deep step/electronic attenuator dynamic range • Optional 0.1 Hz resolution and oven time base • Fast switching for ATE • GPIB remote control • V connector class

Applications

- CW LO substitution to 40 GHz • Microwave and mmWave component CW stimulus • ATE synthesizer racks • Mixer/converter LO sources • Upgradeable 69B platform

69067B Characteristics / Specifications

PARAMETER	VALUE
Anritsu 69067B Ultra Low Noise Synthesized CW Generator 0.	40 GHz Overview The Anritsu 69067B is an ultra-low-noise synthesized CW generator covering 0.01 GHz to 40 GHz in the 69000B family. It delivers broadband coax CW with banded leveled power through 40 GHz for LO and ATE applications requiring the 69B phase-noise class.
Model	69067B
Manufacturer	Anritsu
Instrument Type	Ultra Low Noise Synthesized CW Generator
Alias	69067B; Anritsu 69067B
Frequency range	0.01 GHz to 40 GHz
Family	69000B synthesizers
Leveled power 0.01 to less than 2 GHz	+12 dBm
Leveled power 2 to 20 GHz	+10 dBm
Leveled power greater than 20 to 40 GHz	+2.5 dBm
Leveled power with step attenuator 0.01 to less than 2 GHz	+10 dBm
Leveled power with step attenuator 2 to 20 GHz	+8.5 dBm
Leveled power with step attenuator greater than 20 to 40 GHz	0 dBm
Output power resolution	0.01 dB
CW frequency resolution standard	1 kHz
CW frequency resolution Option	0.1 Hz
CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2×10^{-8} /day
Internal time base aging Option	less than 5×10^{-10} /day
Internal time base vs temperature	less than 2×10^{-8} /degCover 0 to 55 C
Minimum leveled power without attenuator	to -20 dBm

PARAMETER	VALUE
Minimum leveled power with attenuator	to -120 dBm
SSB phase noise at 10 GHz 10 kHz offset	ultra low 69B class
Switching time without attenuator change	less than 5 ms typical
List sweep points	up to 2000 non sequential frequency/power sets per table
Preset CW frequencies	20
Remote control	GPIB
Package height class	13.3 cm rack family
Dimensions	133 mmHx 429 mmWx 597 mmDRF output connector: TypeVfemale
Related signal model	69167B
Related high performance	69367B
Related 68C CW	68067C
SSB phase noise at 40 GHz 10 kHz offset	see 69B tables Notes Specs from Anritsu 69000B/68000C Series datasheet for 69×67B / 69067B (0.01–40 GHz CW). Confirm options and leveled power on the unit.

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	
Specifications	
PARAMETER	VALUE
Switching time without attenuator change	less than 5 ms typical
List sweep points	up to 2000 non sequential frequency/power sets per table
Preset CW frequencies	20
Remote control	GPIB
Package height class	13.3 cm rack family
Dimensions	133 mm H x 429 mm W x 597 mm D
RF output connector	Type V female
Related signal model	69167B
Related high performance	69367B
Related 68C CW	68067C
Specifications	
PARAMETER	VALUE
Model	69067B
Manufacturer	Anritsu
Instrument Type	Ultra Low Noise Synthesized CW Generator
Alias	69067B; Anritsu 69067B
Frequency range	0.01 GHz to 40 GHz
Family	69000B synthesizers
Leveled power 0.01 to less than 2 GHz: +12 dBm Leveled power 2 to 20 GHz: +10 dBm Leveled power greater than 20 to 40 GHz: +2.5 dBm Leveled power with step attenuator 0.01 to less than 2 GHz: +10 dBm Leveled power with step attenuator 2 to 20 GHz: +8.5 dBm Leveled power with step attenuator greater than 20 to 40 GHz: 0 dBm	
Specifications	
PARAMETER	VALUE
Output power resolution	0.01 dB

PARAMETER	VALUE
CW frequency resolution standard	1 kHz
CW frequency resolution Option 11	0.1 Hz
CW accuracy	same as internal or external 10 MHz time base
Internal time base aging	less than 2×10^{-8} /day
Internal time base aging Option 16	less than 5×10^{-10} /day
Internal time base vs temperature	less than 2×10^{-8} /degCover 0 to 55 C
Minimum leveled power without attenuator	to -20 dBm
Minimum leveled power with attenuator	to -120 dBm

SSB phase noise at 10 GHz 10 kHz offset: ultra low 69B class

Specifications

PARAMETER	VALUE
Switching time without attenuator change	less than 5 ms typical
List sweep points	up to 2000 non sequential frequency/power sets per table
Preset CW frequencies	20
Remote control	GPIO
Package height class	13.3 cm rack family
Dimensions	133 mmHx 429 mmWx 597 mmDRF output connector: TypeVfemale
Related signal model	69167B
Related high performance	69367B
Related 68C CW	68067C

SSB phase noise at 40 GHz 10 kHz offset: see 69B tables

Notes

Specs from Anritsu 69000B/68000C Series datasheet for 69x67B / 69067B (0.01-40 GHz CW). Confirm options and leveled power on the unit.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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NIST-traceable calibration · SAM registered ·
30-day returns
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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.