

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 13, 2026

ANRITSU

Anritsu 68067C Synthesized CW Generator, 10 MHz to 40 GHz

Anritsu 68067C Synthesized CW Generator 10 MHz to 40 GHz The Anritsu 68067C is a synthesized CW generator covering 10 MHz to 40 GHz in the 68000C family. It provides accurate leveled CW and digital frequency/power sweep for LO duty and ATE through millimeter-wave coax bands in a 13.3 cm chassis with GPIB. Related 68167C/68367C add signal-generator features in the same coverage. The Anritsu 68067C is a synthesized CW generator covering 10 MHz to 40 GHz in the 68000C family. It provides accurate leveled CW and digital frequency/power sweep for LO duty and ATE through millimeter-wave coax bands in a 13.3 cm chassis with GPIB. Related 68167C/68367C add signal-generator features in the same coverage.



MODEL

Anritsu 68067C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

68067C

LISTING

<https://aumictechlabs.com/products/68067c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 68067C is a synthesized CW generator delivering precision RF signal generation across 10 MHz to 40 GHz, with optional extension down to 0.1 Hz. Purpose-built for component testing, subsystem validation, local oscillator replacement, and ATE integration, this instrument combines broad frequency coverage with exceptional spectral purity and output power control.

The synthesized architecture ensures frequency stability and repeatability critical to aerospace, defense, and communications applications. Compact form factor minimizes rack footprint while maintaining signal delivery.

Technical Specifications

Frequency Range: 10 MHz to 40 GHz (standard); optional extension to 0.1 Hz

Frequency Resolution: 1 kHz standard; 0.1 Hz with Option 11

Output Power (Leveled) Maximum: +13 dBm (0.01–<2 GHz), +9 dBm (≥ 2 –<20 GHz), +6 dBm (≥ 20 –40 GHz) With attenuator: +11 dBm, +7 dBm, +3 dBm respectively (same band ranges)

Minimum: –15 dBm standard; –120 dBm with attenuator

Resolution: 0.01 dB (logarithmic) or 0.001 mV (linear)

Time Base Stability (Internal) Aging: $<2 \times 10^{-8}$ /day ($<5 \times 10^{-10}$ /day with Option 16)

Temperature: $<2 \times 10^{-8}$ /°C over 0°C ($<2 \times 10^{-10}$ /°C with Option 16)

Phase Noise (SSB): –107 dBc at 10 kHz offset from 10 GHz (69000B/68000C series); –100 dBc at 10 kHz offset from 10 GHz (69A family)

Switching Time <5 ms for <100 MHz sweep steps <25 ms to within 1 kHz of final frequency (≥ 20 GHz models, typical max.) <15 ms + 1 ms/GHz step size or <40 ms, whichever is less (typical max., step sweep)

Key Features

Spurious signals ultra-low

Internal list mode: up to 3202 frequency/power sets or 1000 frequency entries via GPIB

Digital frequency and power sweep with phase-locked step control

Step width selectable from 1 kHz (0.1 Hz with Option 11) to full range

Manual sweep mode with phase-locked frequency adjustment

Typical Applications

Component and subsystem RF testing

Local oscillator replacement in test systems

Production and field ATE integration

Precision signal generation for receiver and amplifier characterization

Compatibility & Integration

Part of the 68C/69B series architecture. GPIB control for automated test environments. Optional modulation capabilities available through series upgrades.

Features & description

From manufacturer datasheet

Features

- Frequency coverage 10 MHz to 40 GHz (Option 22 to 0.1 Hz)
- Digital frequency sweep and digital power sweep
- Banded leveled output per 68×67C power tables
- Optional 0.1 Hz resolution and high-stability time base
- Optional step attenuator where available by band
- IEEE-488 GPIB remote control

Applications

- CW LO substitution 10 MHz to 40 GHz
- ATE broadband microwave stimulus
- Receiver sensitivity testing with optional attenuator
- Compact rack sources for mmWave coax systems

High power Option 15 greater than 20 to 40 GHz: plus 6 dBm

Minimum leveled power without attenuator: -20 dBm typical max leveled range Minimum leveled power with attenuator: -120 dBm Output power resolution: 0.01 dB or 0.001 mV CW frequency resolution standard: 1 kHz CW frequency resolution Option 11: 0.1 Hz Internal time base aging: less than 2×10^{-8} /day Internal time base aging Option 16: less than 5×10^{-10} /day SSB phase noise 68XXXC greater than 20 to 40 GHz at 10 kHz: -72 dBc/Hz Harmonics 2 to 20 GHz: -60 dBc Nonharmonic spurious 2 to 65 GHz: -60 dBc Remote control: IEEE 488 GPIB Dimensions: 133 mmHx 429 mmWx 597 mmDWeight: 23 kg maximum RF connector: TypeKfemale Related signal model: 68167C Related high performance signal: 68367C Related ultra low noise CW: 69067B Notes Power rows from Anritsu 68000C/69000B Series datasheet for 68×67C / 68067C (0.01–40 GHz). Confirm Option 11/15/16/22 and attenuator availability on the unit.

68067C Characteristics / Specifications

PARAMETER	VALUE
Model	68067C
Manufacturer	Anritsu
Instrument Type	Synthesized CW Generator
Alias	68067C; Anritsu 68067C
Frequency range standard	10 MHz to 40 GHz
Frequency extension Option	0.1 Hz to 10 MHz
Family	68000C Series
Leveled output 0.01 to less than 2 GHz	plus 13 dBm
Leveled output 2 to 20 GHz	plus 9 dBm
Leveled output greater than 20 to 40 GHz	plus 6 dBm
Leveled with step attenuator 0.01 to less than 2 GHz	plus 11 dBm
Leveled with step attenuator 2 to 20 GHz	plus 7 dBm
Leveled with step attenuator greater than 20 to 40 GHz	plus 3 dBm
High power Option 15 0.01 to 20 GHz	plus 13 dBm
High power Option 15 greater than 20 to 40 GHz	plus 6 dBm
Minimum leveled power without attenuator	-20 dBm typical max leveled range
Minimum leveled power with attenuator	-120 dBm
Output power resolution	0.01 dB or 0.001 mV
CW frequency resolution standard	1 kHz
CW frequency resolution Option	0.1 Hz
Internal time base aging	less than 2×10^{-8} /day
Internal time base aging Option	less than 5×10^{-10} /day

PARAMETER	VALUE
SSB phase noise 68XXXC greater than 20 to 40 GHz at 10 kHz	-72 dBc/Hz
Harmonics 2 to 20 GHz	-60 dBc
Nonharmonic spurious 2 to 65 GHz	-60 dBc
Remote control	IEEE 488 GPIB
Dimensions	133 mmHx 429 mmWx 597 mmDWeight: 23 kg maximum
RF connector	TypeKfemale
Related signal model	68167C
Related high performance signal	68367C
Related ultra low noise CW	69067B Notes Power rows from Anritsu 68000C/69000B Series datasheet for 68×67C / 68067C (0.01–40 GHz). Confirm Option 11/15/16/22 and attenuator availability 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
Harmonics 2 to 20 GHz	-60 dBc
Nonharmonic spurious 2 to 65 GHz	-60 dBc
Remote control	IEEE 488 GPIB
Dimensions	133 mm H x 429 mm W x 597 mm D
Weight	23 kg maximum
RF connector	Type K female
Related signal model	68167C
Related high performance signal	68367C
Related ultra low noise CW	69067B

Specifications

PARAMETER	VALUE
Model	68067C
Manufacturer	Anritsu
Instrument Type	Synthesized CW Generator
Alias	68067C; Anritsu 68067C
Frequency range standard	10 MHz to 40 GHz
Frequency extension Option 22	0.1 Hz to 10 MHz
Family	68000C Series

Leveled output 0.01 to less than 2 GHz: plus 13 dBm

Leveled output 2 to 20 GHz: plus 9 dBm

Leveled output greater than 20 to 40 GHz: plus 6 dBm

Leveled with step attenuator 0.01 to less than 2 GHz: plus 11 dBm

Leveled with step attenuator 2 to 20 GHz: plus 7 dBm

Leveled with step attenuator greater than 20 to 40 GHz: plus 3 dBm

High power Option 15 0.01 to 20 GHz: plus 13 dBm

High power Option 15 greater than 20 to 40 GHz: plus 6 dBm

Specifications

PARAMETER	VALUE
Minimum leveled power without attenuator	-20 dBm typical max leveled range
Minimum leveled power with attenuator	-120 dBm
Output power resolution	0.01 dB or 0.001 mV
CW frequency resolution standard	1 kHz
CW frequency resolution Option 11	0.1 Hz
Internal time base aging	less than 2×10^{-8} /day
Internal time base aging Option 16	less than 5×10^{-10} /day

SSB phase noise 68XXXC greater than 20 to 40 GHz at 10 kHz: -72 dBc/Hz

Specifications

PARAMETER	VALUE
Harmonics 2 to 20 GHz	-60 dBc
Nonharmonic spurious 2 to 65 GHz	-60 dBc
Remote control	IEEE 488 GPIB
Dimensions	133 mmHx 429 mmWx 597 mmDWeight: 23 kg maximum
RF connector	TypeKfemale
Related signal model	68167C
Related high performance signal	68367C
Related ultra low noise CW	69067B

Notes

Power rows from Anritsu 68000C/69000B Series datasheet for 68x67C / 68067C (0.01-40 GHz). Confirm Option 11/15/16/22 and attenuator availability 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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 13, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.