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Data Sheet

August 13, 2026

ANRITSU

Anritsu 68367C Synthesized High Performance Signal Generator, 10 MHz to 40 GHz

Anritsu 68367C High Performance Synthesized Signal Generator 10 MHz to 40 GHz The Anritsu 68367C is a high-performance synthesized signal generator covering 10 MHz to 40 GHz in the 68300C family. It combines CW, analog/digital sweep, and comprehensive internal/external AM, FM, pulse, and optional phase modulation for complex signal simulation, with compact 13.3 cm rack height and GPIB control. The Anritsu 68367C is a high-performance synthesized signal generator covering 10 MHz to 40 GHz in the 68300C family. It combines CW, analog/digital sweep, and comprehensive internal/external AM, FM, pulse, and optional phase modulation for complex signal simulation, with compact 13.3 cm rack height and GPIB control.



MODEL

Anritsu 68367C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

68367C

LISTING

<https://aumictechlabs.com/products/68367c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu 68367C is a synthesized signal generator delivering precise, stable RF signals from 10 MHz to 40 GHz for advanced microwave test applications. It combines ultra-low phase noise, wide dynamic range output control, and sophisticated modulation capabilities - making it ideal for satellite, radar, and telecommunications system characterization. The instrument supports multiple sweep modes, complex signal generation, and flexible leveling accuracy down to -120

dBm, enabling demanding receiver sensitivity and radar blind spot testing scenarios. Technical Specifications Frequency Performance Range: 10 MHz to 40 GHz Resolution: 0.1 Hz (with Option 11) or 1 kHz standard Accuracy: Within ± 30 MHz or ± 2 MHz (for sweep speeds ≤ 50 MHz/ms); tracks internal or external 10 MHz time base Output Power Maximum: +17 dBm (leveled to 20 GHz) Minimum: -125 dBm, -120 dBm typical with attenuator Leveling Accuracy: ± 0.01 dB steps to -120 dBm Phase Noise SSB Phase Noise: -107 dBc/Hz at 10 kHz offset from 10 GHz Modulation Capabilities Internal modes: AM, FM, Phase Modulation, Pulse Modulation, Scan Modulation Waveforms: Seven standard types including Gaussian noise; user-defined arbitrary waveforms supported Pulse Modulation: Doublet, triplet, quadruplet pulses; Swept Delay for moving target simulation; single and multiple pulse generation for radar recovery time testing Simultaneous modulations across full frequency range Sweep Modes Types: CW, step, analog, manual, and alternate sweep Time range: 30 ms to 99 seconds Sweep width: 1 kHz (0.1 Hz with Option 11) to full range Step sweep: 1 to 10,000 steps; 1 kHz minimum step size (0.1 Hz with Option 11) Step time: 1 ms to 99 seconds/step (dwell after lock); 20 ms to 99 seconds/step fixed-rate mode Linear or logarithmic sweep selectable; manual stepped frequency adjustment supported Key Features Frequency resolution to 0.1 Hz with Option 11 Leveled power control in 0.01 dB increments for precise receiver testing Up to 4 list sweep tables for complex test sequences Phase-locked manual frequency stepping between limits Typical Applications Satellite and terrestrial communications testing; radar system characterization; receiver sensitivity validation; blind spot and recovery time assessment; automated and manual RF subsystem evaluation. Compatibility & Integration Supports external 10 MHz time base reference; accepts user-downloaded arbitrary waveforms; compatible with both automated test sequences and manual measurement workflows.

Features & description

From manufacturer datasheet

Features

- Frequency coverage 10 MHz to 40 GHz (Option 22 to 0.1 Hz) • Full internal AM FM pulse and optional phase modulation • Internal modulation generators with seven waveforms • Digital and analog sweep with less than 5 ms step switching class • Optional 0.1 Hz resolution and high-stability time base • Compact 13.3 cm rack height with GPIB

Applications

- Complex modulated signal simulation to 40 GHz • Receiver and radar moving-target pulse delay tests • ATE stimulus with list mode and fast switching • Low-phase-noise LO and clock applications in this band

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 AM depth: 0 to 90 percent log or linear DC to 100 kHz rates family FM deviation modes: up to 10 MHz at 8 MHz rates or 100 MHz at 100 Hz rates family Pulse PRF: DC to 10 MHz unleveled 100 Hz to 5 MHz leveled family Phase modulation Option 6: up to 400 radians at 1 MHz rates family Remote control: IEEE 488 GPIB Dimensions: 133 mmHx 429 mmWx 597 mmD Weight: 23 kg maximum Related CW model: 68067C Related signal model: 68167C Related ultra low noise: 69367B Notes Specs from Anritsu 68000C/69000B Series datasheet for 68×67C / 68367C (0.01–40 GHz). Confirm modulation options (6, 20 AM SCAN), attenuator, and Option 11/15/16/22 on the unit.

68367C Characteristics / Specifications

PARAMETER	VALUE
Model	68367C
Manufacturer	Anritsu
Instrument Type	High Performance Synthesized Signal Generator
Alias	68367C; Anritsu 68367C
Frequency range standard	10 MHz to 40 GHz
Frequency extension Option	0.1 Hz to 10 MHz
Family	68300C 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
AM depth	0 to 90 percent log or linear DC to 100 kHz rates family
FM deviation modes	up to 10 MHz at 8 MHz rates or 100 MHz at 100 Hz rates family
Pulse PRF	DC to 10 MHz unleveled 100 Hz to 5 MHz leveled family
Phase modulation Option	up to 400 radians at 1 MHz rates family
Remote control	IEEE 488 GPIB
Dimensions	133 mmHx 429 mmWx 597 mmDWeight: 23 kg maximum
Related CW model	68067C
Related signal model	68167C
Related ultra low noise	69367B Notes Specs from Anritsu 68000C/69000B Series datasheet for 68×67C / 68367C (0.01–40 GHz). Confirm modulation options (6, 20 AM SCAN), attenuator, and Option 11/15/16/22 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.

Performance Synthesized Signal Generator 10 MHz to 40 GHz

Overview

The Anritsu 68367C is a high-performance synthesized signal generator covering 10 MHz to 40 GHz in the 68300C family. It combines CW, analog/digital sweep, and comprehensive internal/external AM, FM, pulse, and optional phase modulation for complex signal simulation, with compact 13.3 cm rack height and GPIB control.

Applications

- Complex modulated signal simulation to 40 GHz
- Receiver and radar moving-target pulse delay tests
- ATE stimulus with list mode and fast switching
- Low-phase-noise LO and clock applications in this band

Key Features

- Frequency coverage 10 MHz to 40 GHz (Option 22 to 0.1 Hz)
- Full internal AM FM pulse and optional phase modulation
- Internal modulation generators with seven waveforms
- Digital and analog sweep with less than 5 ms step switching class
- Optional 0.1 Hz resolution and high-stability time base
- Compact 13.3 cm rack height with GPIB

Technical Specifications

Specifications

PARAMETER	VALUE
AM depth	0 to 90 percent log or linear DC to 100 kHz rates family
FM deviation modes	up to 10 MHz at 8 MHz rates or 100 MHz at 100 Hz rates family
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Phase modulation Option 6	up to 400 radians at 1 MHz rates family
Remote control	IEEE 488 GPIB
Dimensions	133 mm H x 429 mm W x 597 mm D
Weight	23 kg maximum
Related CW model	68067C
Related signal model	68167C
Related ultra low noise	69367B

Technical Specifications

PARAMETER	VALUE
Model	68367C
Manufacturer	Anritsu
Instrument Type	High Performance Synthesized Signal Generator
Alias	68367C; Anritsu 68367C

PARAMETER	VALUE
Frequency range standard	10 MHz to 40 GHz
Frequency extension Option 22	0.1 Hz to 10 MHz
Family	68300C 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
AM depth	0 to 90 percent log or linear DC to 100 kHz rates family
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Related ultra low noise	69367B

Notes
Specs from Anritsu 68000C/69000B Series datasheet for 68x67C / 68367C (0.01-40 GHz). Confirm modulation options (6, 20 AM SCAN), attenuator, and Option 11/15/16/22 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 ·
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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.