

ANRITSU

68369A

The Anritsu 68369A is a synthesized microwave signal generator covering the 10 MHz to 40 GHz frequency range. Designed for high-performance RF and microwave testing, it combines the features of a synthesizer, sweep generator, and modulation generator in a single instrument, providing versatile sweep capabilities along with AM, FM, phase, and pulse modulation.

SPECIFICATIONS

Frequency

Minimum Frequency	10 MHz Hz
Maximum Frequency	40 GHz Hz
Frequency Resolution	1 kHz (0.1 Hz with Option 11)
Frequency Range	10 MHz to 40 GHz
Frequency Resolution (Standard)	1 kHz
Frequency Resolution (Option 11)	0.1 Hz
Internal Reference Frequency	10 MHz

Output

Maximum Output Power	+13 dBm dBm
Output Power Range	+13 to -15 dBm (standard); +13 to -120 dBm (with Option 2 step attenuator)

Modulation

Modulation	AM, FM, Phase, Pulse
Sweep Modes	Step Sweep, Analog Sweep, Manual Sweep

General

Reference Oscillator	10 MHz internal reference
Interfaces	GPIB (IEEE-488.2)
Display	Liquid Crystal Display (LCD)

Physical

Power Supply	90 to 132 Vac or 180 to 264 Vac, 47 to 63 Hz, 400 VA maximum
Dimensions (W×H×D)	429 mm W x 133 mm H x 597 mm D mm
Weight	23 kg kg

Inputs & Outputs

RF Output Connector Type	K Female (compatible with 3.5 mm and SMA)
RF Output Impedance	50 Ohms nominal

System Connectivity and Interfaces

Remote Control Protocol	SCPI / Native Wiltron Command Set
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Amplitude Modulation

AM Depth Range	0 to 90% (linear operating range)
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Frequency Modulation

Maximum FM Deviation	±10 MHz (in locked/unlocked FM mode)
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Environmental

Operating Temperature Range	0 °C to +50 °C
Storage Temperature Range	-40 °C to +75 °C
Operating Humidity	5% to 95% RH at 40 °C, non-condensing

Internal Modulation Generator

Internal Modulation Generator Waveforms	Sine, square, triangle, ramp, Gaussian noise, uniform noise
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Spectral Purity

Harmonics	<-60 dBc (0.01 to 2 GHz), <-50 dBc (2 to 20 GHz), <-40 dBc (20 to 40 GHz)
Non-harmonics Spurious	<-60 dBc

Output Power

Power Level Accuracy	±1.0 dB (0.01 to 20 GHz), ±1.5 dB (20 to 40 GHz)
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TECHNOLOGY

Synthesized Microwave Signal Generation

APPLICATIONS

RF and Microwave Testing, Radar Simulation, Component Characterization

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.