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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69095A Synthesized CW Generator, 0.5 GHz to 65 GHz

Anritsu 69095A Synthesized CW Generator 0.5 GHz to 65 GHz The Anritsu/Wiltron 69095A is an ultra-low-noise synthesized CW generator covering 0.5 GHz to 65 GHz in the 69A Series on a single coax output (V connector class). It targets LO replacement and high-purity CW stimulus into mm-wave bands with leveled power, fine resolution, and GPIB control. The Anritsu/Wiltron 69095A is an ultra-low-noise synthesized CW generator covering 0.5 GHz to 65 GHz in the 69A Series on a single coax output (V connector class). It targets LO replacement and high-purity CW stimulus into mm-wave bands with leveled power, fine resolution, and GPIB control.



MODEL

Anritsu 69095A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69095A

LISTING

<https://aumictechlabs.com/products/69095a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu 69095A is a synthesized CW generator delivering stable, continuous wave signals across 0.5 GHz to 65 GHz. Built for demanding microwave testing, component validation, and R&D/production measurements, this instrument combines synthesized architecture with high accuracy and signal integrity for applications requiring stringent phase noise and spurious performance. Technical Specifications Frequency Performance Frequency range: 0.5 GHz to 65

GHz Standard frequency resolution: 1 kHz Optional resolution (Option 11): 0.1 Hz Frequency switching time (typical): < 40 ms to within 1 kHz of final frequency Step sweep switching: < 15 ms + 1 ms/GHz step size, or < 40 ms maximum Signal Quality Phase noise: Typical -100 dBc/Hz at 10 kHz offset from 10 GHz carrier Harmonic and harmonic-related spurious (500 MHz to 2.2 GHz): < -50 dBc Harmonic and harmonic-related spurious (10 MHz to 50 MHz): < -30 dBc Harmonic and harmonic-related spurious (50 MHz to 2 GHz): < -40 dBc Time Base & References Time base aging: < 2×10^{-8} /day Time base aging with Option 16: < 5×10^{-10} /day Temperature coefficient: < 2×10^{-8} /°C (0°C to 55°C) Temperature coefficient with Option 16: < 2×10^{-10} /°C External 10 MHz reference input supported 10 MHz reference output: 0.5 V p-p into 50 Ω , AC coupled

Key Features

- IEEE 488 GPIB remote control
- Front panel operation
- Internal AM, FM, Φ M, and pulse modulation
- Coaxial output connector

Typical Applications

Component validation, microwave system characterization, receiver testing, and production acceptance testing across extended frequency ranges.

Compatibility & Integration

Full IEEE 488 GPIB control enables integration into automated test systems and laboratory environments requiring precise frequency and power control.

Features & description

From manufacturer datasheet

Features

- Synthesized CW coverage 0.5 to 65 GHz single coax
- Ultra-low-noise 69000A architecture
- Internal leveling with 0.01 dB power resolution
- Optional 0.1 Hz resolution and oven time base
- Optional step attenuator (band-limited options)
- GPIB automation; rack mount available
- V female RF output connector class for greater than 40 GHz models
- Related sweep/signal siblings in 69×95A table

Applications

- mm-wave CW LO substitution to 65 GHz
- Component and receiver characterization across microwave/mm-wave
- ATE rack broadband synthesizer source
- High-purity CW reference for converters and mixers
- Family upgrade alternative to narrower-band 69A CW models

69095A Characteristics / Specifications

PARAMETER	VALUE
Model	69095A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized CW Generator
Alias	69095A; Anritsu 69095A
Frequency range	0.5 GHz to 65 GHz
Family	69A Series ultra low noise
Output mode	CW
Leveled power 0.5 to 2.2 GHz	+11 dBm
Leveled power greater than 2.2 to 20 GHz	+10 dBm
Leveled power greater than 20 to 40 GHz	+2.5 dBm
Leveled power greater than 40 to 50 GHz	0 dBm
Leveled power greater than 50 to 65 GHz	-2 dBm
Minimum leveled power without attenuator	to -15 dBm (-20 dBm typical)
Minimum leveled power with attenuator high band	to -105 dBm (-110 dBm typical)
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
SSB phase noise at 10 GHz 10 kHz offset	-100 dBc/Hz class
SSB phase noise at 50 GHz 10 kHz offset	-88 dBc/Hz class
SSB phase noise at 65 GHz 10 kHz offset	-88 dBc/Hz class
RF output connector	TypeVfemale

PARAMETER	VALUE
Source impedance	50 ohm nominal
Preset CW frequencies	20
Remote control	GPIB
Dimensions	429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg
AC power	90 to 132 Vac or 180 to 264 Vac, less than or equal to 400 VA
Related sweep model	69195A
Related signal generator	69295A
Related sweep signal	69395A Notes Specs from Anritsu/Wiltron 69A Series datasheet for 69×95A / 69095A (0.5–65 GHz). Confirm options, leveled power on cal label, and V-connector condition.

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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PARAMETER	VALUE
RF output connector	Type V female
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Remote control	GPIB
Dimensions	429 mm W x 133 mm H x 597 mm D
Mass	less than or equal to 23 kg
AC power	90 to 132 Vac or 180 to 264 Vac, less than or equal to 400 VA
Related sweep model	69195A
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Instrument Type	Synthesized CW Generator
Alias	69095A; Anritsu 69095A
Frequency range	0.5 GHz to 65 GHz
Family	69A Series ultra low noise
Output mode	CW
Leveled power 0.5 to 2.2 GHz	+11 dBm
Leveled power greater than 2.2 to 20 GHz: +10 dBm Leveled power greater than 20 to 40 GHz: +2.5 dBm Leveled power greater than 40 to 50 GHz: 0 dBm Leveled power greater than 50 to 65 GHz: -2 dBm	
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Minimum leveled power with attenuator high band	to -105 dBm (-110 dBm typical)
Output power resolution	0.01 dB
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

SSB phase noise at 10 GHz 10 kHz offset: -100 dBc/Hz class

SSB phase noise at 50 GHz 10 kHz offset: -88 dBc/Hz class

SSB phase noise at 65 GHz 10 kHz offset: -88 dBc/Hz class

Specifications

PARAMETER	VALUE
RF output connector	TypeVfemale
Source impedance	50 ohm nominal
Preset CW frequencies	20
Remote control	GPIO
Dimensions	429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg
AC power	90 to 132 Vac or 180 to 264 Vac, less than or equal to 400 VA
Related sweep model	69195A
Related signal generator	69295A
Related sweep signal	69395A

Notes

Specs from Anritsu/Wiltron 69A Series datasheet for 69x95A / 69095A (0.5–65 GHz). Confirm options, leveled power on cal label, and V-connector condition.

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
NAICS 423690 · 811210 · 541380
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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.