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Data Sheet

August 13, 2026

ANRITSU

Anritsu 69085A Synthesized CW Generator, 0.5 GHz to 60 GHz

Anritsu 69085A Synthesized CW Generator 0.5–60 GHz The Anritsu/Wiltron 69085A is an ultra-low-noise synthesized CW generator covering 0.5 GHz to 60 GHz in the 69A Series. It provides leveled CW RF on a single coax output for LO replacement and high-purity stimulus from UHF/microwave into the 60 GHz band. The Anritsu/Wiltron 69085A is an ultra-low-noise synthesized CW generator covering 0.5 GHz to 60 GHz in the 69A Series. It provides leveled CW RF on a single coax output for LO replacement and high-purity stimulus from UHF/microwave into the 60 GHz band.



MODEL

Anritsu 69085A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

69085A

LISTING

<https://aumictechlabs.com/products/69085a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu 69085A is a synthesized continuous wave (CW) generator delivering precision signal generation from 0.5 to 60 GHz. Built for development and manufacturing environments, it has the frequency stability and accuracy demanded by telecommunications, research, and electronics testing applications. The instrument combines a large high-resolution TFT color LCD with an intuitive interface, enabling straightforward operation across laboratory and field settings.

Technical Specifications

Frequency Range: 0.5 GHz to 60 GHz Phase Noise: Ultra-low SSB phase noise characteristic of the 69A synthesizer family, reaching –100 dBc at 10 kHz offset from 10 GHz Spurious Signals: Low spurious performance Display: Large, high-resolution TFT color LCD

Key Features

Full remote control via IEEE 488 GPIB with SCPI and Native mode command support USB, GPIB, and LAN connectivity for flexible

integration Optional 0.1 Hz frequency resolution capability Durable construction rated for rigorous laboratory and field deployment Typical Applications Telecommunications system development and validation Research and development signal sourcing Electronics and component testing Signal analysis and generation workflows Compatibility & Integration The 69085A operates through multiple interfaces: USB for direct instrument control, GPIB (IEEE 488) for automated test environments, and LAN for remote laboratory integration. Both SCPI standard commands and Anritsu Native mode are fully supported, enabling seamless integration into existing test architectures and custom measurement systems.

Features & description

From manufacturer datasheet

Features

• Coverage 0.5 to 60 GHz single coax • Ultra-low-noise 69000A architecture • Internal leveling with 0.01 dB resolution • Optional 0.1 Hz resolution and oven time base • Optional step attenuator • GPIB remote control • V female RF output class • Related sweep/signal siblings 69x85A

Applications

• CW LO substitution 0.5 to 60 GHz • mm-wave component characterization • ATE broadband synthesizer source • Converter and mixer LO applications • Family upgrade within 69A CW column

69085A Characteristics / Specifications

PARAMETER	VALUE
Anritsu 69085A Synthesized CW Generator 0.	60 GHz Overview The Anritsu/Wiltron 69085A is an ultra-low-noise synthesized CW generator covering 0.5 GHz to 60 GHz in the 69A Series. It provides leveled CW RF onasingle coax output for LO replacement and high-purity stimulus from UHF/microwave into the 60 GHz band.
Model	69085A
Manufacturer	Anritsu (Wiltron 69A Series)
Instrument Type	Synthesized CW Generator
Alias	69085A; Anritsu 69085A
Frequency range	0.5 GHz to 60 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	+2 dBm
Leveled power greater than 50 to 60 GHz	+2 dBm
Leveled power with step attenuator 0.5 to 2.2 GHz	+10 dBm
Leveled power with step attenuator greater than 2.2 to 20 GHz	+8.5 dBm
Leveled power with step attenuator greater than 20 to 40 GHz	0 dBm
Leveled power with step attenuator greater than 40 to 50 GHz	-1.5 dBm
Leveled power with step attenuator greater than 50 to 60 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)

PARAMETER	VALUE
Output power resolution	0.01 dB
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
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
RF output connector	TypeVfemale
Remote control	GPIB
Dimensions	429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg
Related sweep model	69185A
Related signal generator	69285A
Related sweep signal	69385A Notes Specs from Anritsu/Wiltron 69A Series datasheet for 69x85A / 69085A (0.5–60 GHz). 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

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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
Internal time base aging	less than 2 x 10^-8/day
Internal time base aging Option 16	less than 5 x 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

Specifications

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RF output connector	TypeVfemale
Remote control	GPIB
Dimensions	429 mmWx 133 mmHx 597 mmDMass: less than or equal to 23 kg
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Notes
Specs from Anritsu/Wiltron 69A Series datasheet for 69x85A / 69085A (0.5–60 GHz). 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 ·
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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.