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Data Sheet

August 14, 2026

ANRITSU

Anritsu MG3692B RF Microwave CW Generator; 2GHz-20GHz

Anritsu MG3692B RF Microwave Signal Generator The Anritsu MG3692B is the Brevison synthesized microwave signal generator corresponding to the MG3692A band class in the MG3690B family. OEM literature improves on A-revision performance while retaining the modular option structure for frequency and modulation. Microwave CW stimulus, converter testing, and automated RF test with GPIB. Instrument Family: Anritsu MG3690B / MG3692B

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MODEL

Anritsu MG3692B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MG3692B

LISTING

<https://aumictechlabs.com/products/mg3692b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MG3692B is a synthesized microwave CW generator delivering stable, spectrally pure signals across 2 GHz to 20 GHz for RF/microwave testing. Purpose-built for component

characterization, local oscillator substitution, and signal sourcing in telecommunications, aerospace, defense, and research environments, this instrument combines ultra-low phase noise with flexible modulation and fast frequency switching.

Technical Specifications

Frequency & Resolution

Frequency range: 2 GHz to 20 GHz (standard) Frequency resolution: 0.01 Hz Extended coverage to 10 MHz with Options 4 or 5 Extended coverage to 325 GHz or beyond with external multipliers Frequency switching speed: typically 5 ms per point for 1 GHz): 100 ns Sweep modes: CW and step sweep; analog sweep optional User-defined waveform download capability

Key Features

Fast frequency switching and analog ramp sweep for dynamic measurements Extensive modulation suite with internal and external options Scalable to millimeter-wave frequencies via external multipliers Wide dynamic range supporting diverse power level requirements Typical Applications Component validation, receiver testing, amplifier characterization, local oscillator substitution, vector network analyzer signal sourcing, and subsystem integration testing.

Compatibility & Integration

Supports analog modulation (Options 12, 14, 26A), complex modulation with waveform download (Option 10), and IF up-conversion for IQ modulation. Frequency extension via external multiplier interface.

Features & description

From manufacturer datasheet

High power options

GPIB automation Technical Specifications Instrument Family: Anritsu MG3690B / MG3692B Frequency Coverage Class: 2 GHz to 20 GHz class depending on options Output Type: synthesized CW Phase Noise Class: low phase noise MG3690B family class Output Power Class: standard and high power option paths Modulation Class: AM FM pulse options on series Remote Interface: GPIB Form Factor: benchtop rack mountable class Frequency Resolution Class: Hz class resolution on synthesized MG3690B Switching Speed Class: fast switching options on series External Reference Input: yes Reference Output: yes class ALC: automatic level control class RF Output Connector Class: precision microwave connector per band option AC Powered: yes Option Structure: frequency band and modulation options define exact span Display: front panel frequency and level display class Step Sweep: yes class List Sweep: yes class on series Revision Relative To A: B revision of MG3692 series Literature Family Tag: verified OEM row set 21 Literature Family Tag: verified OEM row set 22 Notes Family capabilities from Anritsu MG3692B / MG3690B series literature. Confirm installed frequency options on the unit.

MG3692B Characteristics / Specifications

PARAMETER	VALUE
Instrument Family	Anritsu MG3690B / MG3692B
Frequency Coverage Class	2 GHz to 20 GHz class depending on options
Output Type	synthesized CW
Phase Noise Class	low phase noise MG3690B family class
Output Power Class	standard and high power option paths
Modulation Class	AM FM pulse options on series
Remote Interface	GPIB
Form Factor	benchtop rack mountable class
Frequency Resolution Class	Hz class resolution on synthesized MG3690B
Switching Speed Class	fast switching options on series
External Reference Input	yes
Reference Output	yes class
ALC	automatic level control class
RF Output Connector Class	precision microwave connector per band option
AC Powered	yes
Display	front panel frequency and level display class
Step Sweep	yes class
List Sweep	yes class on series
Revision Relative To A	B revision of MG3692 series
Literature Family Tag	verified OEM row set 21

MG3692B Specifications

PARAMETER	VALUE
Anritsu MG3692B RF Microwave Signal Generator	Overview
Applications	Microwave CW stimulus, converter testing, and automated RF test with GPIB.
Key Features	Synthesized microwave CW
Technical Specifications	Instrument Family: Anritsu MG3690B / MG3692B
Notes	Family capabilities from Anritsu MG3692B / MG3690B series literature. Confirm installed frequency options 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 while retaining the modular option structure for frequency and modulation.

Applications

Microwave CW stimulus, converter testing, and automated RF test with GPIB.

Key Features

Synthesized microwave CW

Low phase noise

Analog modulation options

High power options

GPIB automation

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Instrument Family	Anritsu MG3690B / MG3692B
Frequency Coverage Class	2 GHz to 20 GHz class depending on options
Output Type	synthesized CW
Phase Noise Class	low phase noise MG3690B family class
Output Power Class	standard and high power option paths
Modulation Class	AM FM pulse options on series
Remote Interface	GPIB
Form Factor	benchtop rack mountable class
Frequency Resolution Class	Hz class resolution on synthesized MG3690B
Switching Speed Class	fast switching options on series
External Reference Input	yes
Reference Output	yes class
ALC	automatic level control class
RF Output Connector Class	precision microwave connector per band option
AC Powered	yes

Option Structure: frequency band and modulation options define exact span

Specifications

PARAMETER	VALUE
Display	front panel frequency and level display class
Step Sweep	yes class

PARAMETER	VALUE
List Sweep	yes class on series
Revision Relative To A	B revision of MG3692 series
Literature Family Tag	verified OEM row set 21
Literature Family Tag	verified OEM row set 22

Notes
Family capabilities from Anritsu MG3692B / MG3690B series literature. Confirm installed frequency options 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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.