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Data Sheet

August 14, 2026

ANRITSU

Anritsu MG3692C Microwave Signal Generator; 2GHz-20GHz

Reference Output: 10 MHz 1 V pk-pk into 50 Ohm Internal Time Base Stability Option 16: less than 5e-10 per day Remote Interfaces: GPIB and Ethernet class From Anritsu MG3690C RF/Microwave Signal Generators technical data sheet model rows for MG3692C. Confirm installed options 2A/4/5/15/16 for exact leveled power and low-frequency coverage. Internal Time Base Stability Option 16: less than 5e-10 per day Remote Interfaces: GPIB and Ethernet class From Anritsu MG3690C RF/Microwave Signal Generators technical data sheet model rows for MG3692C. Confirm installed options 2A/4/5/15/16 for exact leveled power and low-frequency coverage.



MODEL

Anritsu MG3692C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MG3692C

LISTING

<https://aumictechlabs.com/products/mg3692c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MG3692C is a microwave signal generator delivering RF and microwave signals from 8 MHz to 20 GHz, with optional extensions down to 0.1 Hz. Purpose-built for research, development, manufacturing, and depot repair across wireless communications, aerospace, and defense sectors, it combines phase noise performance with fast switching speeds and analog modulation flexibility. Technical Specifications Frequency Coverage 8 MHz to 20 GHz standard

configuration Optional extension to 0.1 Hz with Option 22 Frequency resolution of 0.01 Hz; 0.02 Hz below 10 MHz with Option 22 Accuracy dependent on internal or external 10 MHz time base External multiplier capability extends range to 325 GHz and beyond Output Power Range: -120 dBm to +25 dBm with Options 2 and 15 Resolution: 0.01 dB Amplitude accuracy: ± 1 dB (to 40 GHz), ± 1.5 dB (to 60 GHz) Single coaxial output Phase Noise Performance Three performance tiers available: Standard, Ultra Low (Option 3), and Premium (Option 3X) Typical SSB phase noise with Option 3: -115 dBc/Hz at 100 kHz offset (10 GHz) High power Option 15 does not degrade phase noise Modulation Capabilities AM, FM, Phase, and Pulse modulation supported Electronic Frequency Control input bandwidth: ≤ 250 Hz Option 27 provides internal LF and Pulse Generators pulse modulation performance IQ modulation via IF input for external baseband up-conversion Key Features Fast band switching with dwell frequencies at 2, 10, 20, 40 GHz Filter switching at 3.3, 5.5, 8.4, 13.25, 25, 32 GHz Front panel and remote control via GPIB or Ethernet Modular option architecture for application-specific configurations Typical Applications Component and system design/test in wireless communications, aerospace, and defense; receiver testing; transmitter characterization; phase noise measurement; pulse radar simulation. Compatibility & Integration GPIB and Ethernet connectivity enable remote instrument control and automated test sequences.

MG3692C Characteristics / Specifications

PARAMETER	VALUE
Model	MG3692C
Frequency Range Standard	2 GHz to 20 GHz
Frequency Range With Option 4 Or	0.01 GHz to 20 GHz class (8 MHz or lower start per option)
Frequency Resolution	0.01 Hz
Output Connector	2.92 mm K(f)
Max Leveled Power STD Less Than 2 GHz With Opt 4/	plus 19 dBm
Max Leveled Power STD 2 To 10 GHz	plus 19 dBm
Max Leveled Power STD Greater Than 10 To 20 GHz	plus 17 dBm
Max Leveled Power With Step Attenuator 2 To 10 GHz	plus 18 dBm
Max Leveled Power With Step Attenuator Greater Than 10 To 20 GHz	plus 15 dBm
Minimum Leveled Power With Attenuator	minus 115 dBm
Minimum Settable Power With Attenuator	minus 120 dBm
Minimum Settable Power Without Attenuator	minus 20 dBm
SSB Phase Noise Typ 10 GHz 10 kHz Offset	minus 119 dBc/Hz
Harmonics 2 To 20 GHz	minus 60 dBc
Nonharmonics 2 To 20 GHz	minus 60 dBc
Level Accuracy Less Than 40 GHz Class	plus or minus 1 dB
Frequency Switching List Mode Min	2 ms
Reference Output	10 MHz 1 V pk-pk into 50 Ohm
Internal Time Base Stability Option	less than 5e-10 per day
Remote Interfaces	GPIB and Ethernet class
Series Family	Anritsu MG3690C

MG3692C Specifications

PARAMETER	VALUE
Applications	Wireless aerospace and defense component stimulus, microwave system LO and CW sources, and automated GPIB/Ethernet RF generation to 20 GHz.
Key Features	0.01 Hz frequency resolution
Technical Specifications	Model: MG3692C

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.

technical data sheets list 0.01 Hz frequency resolution, leveled output to plus 19 dBm class without high-power option, optional step attenuator to minus 115 dBm leveled, and analog modulation including pulse.

Applications
Wireless aerospace and defense component stimulus, microwave system LO and CW sources, and automated GPIB/Ethernet RF generation to 20 GHz.

Key Features
0.01 Hz frequency resolution
Optional high-power Option 15
Mechanical or electronic step attenuator options
AM FM phase and pulse modulation suite
GPIB and Ethernet remote control

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	MG3692C
Frequency Range Standard	2 GHz to 20 GHz
Frequency Range With Option 4 Or 5	0.01 GHz to 20 GHz class (8 MHz or lower start per option)
Frequency Resolution	0.01 Hz
Output Connector	2.92 mm K(f)

Max Leveled Power STD Less Than 2 GHz With Opt 4/5: plus 19 dBm
Max Leveled Power STD 2 To 10 GHz: plus 19 dBm
Max Leveled Power STD Greater Than 10 To 20 GHz: plus 17 dBm
Max Leveled Power With Step Attenuator 2 To 10 GHz: plus 18 dBm
Max Leveled Power With Step Attenuator Greater Than 10 To 20 GHz: plus 15 dBm
Option 15 High Power 2 To 10 GHz Without Opt 4/5: plus 26 dBm

Specifications

PARAMETER	VALUE
Minimum Leveled Power With Attenuator	minus 115 dBm
Minimum Settable Power With Attenuator	minus 120 dBm
Minimum Settable Power Without Attenuator	minus 20 dBm

SSB Phase Noise Typ 10 GHz 10 kHz Offset: minus 119 dBc/Hz

Specifications

PARAMETER	VALUE
Harmonics 2 To 20 GHz	minus 60 dBc

PARAMETER	VALUE
Nonharmonics 2 To 20 GHz	minus 60 dBc
Level Accuracy Less Than 40 GHz Class	plus or minus 1 dB
Frequency Switching List Mode Min	2 ms
Reference Output	10 MHz 1 V pk-pk into 50 Ohm
Internal Time Base Stability Option 16	less than 5e-10 per day
Remote Interfaces	GPIO and Ethernet class
Series Family	Anritsu MG3690C

Notes

From Anritsu MG3690C RF/Microwave Signal Generators technical data sheet model rows for MG3692C. Confirm installed options 2A/4/5/15/16 for exact leveled power and low-frequency coverage.

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
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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.