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Data Sheet

August 14, 2026

ANRITSU

Anritsu MN4697C – 4-Port test set, V connectors

Anritsu MN4697C 4 PortVConnector Test Set 70 kHz to 70 GHz The Anritsu MN4697C is a 4 port V (1.85 mm) multiport test set that expands VectorStar MS4645/MS4647 2 port VNAs to 4 portSparameter measurements from 70 kHz to 70 GHz, operational to 40 kHz. OEM MN469xC technical data sheet lists 2U chassis, less than 10 kg, V connectors, and residual performance after SOLT with the 3654DVcal kit. Multiport broadband VNA characterization of differential devices, packages, and components to 70 GHz on VectorStar. The Anritsu MN4697C is a 4 port V (1.85 mm) multiport test set that expands VectorStar MS4645/MS4647 2 port VNAs to 4 portSparameter measurements from 70 kHz to 70 GHz, operational to 40 kHz. OEM MN469xC technical data sheet lists 2U chassis, less than 10 kg, V connectors, and residual performance after SOLT with the 3654DVcal kit. Multiport broadband VNA characterization of differential devices, packages, and components to 70 GHz on VectorStar. Works with MS4647A/B Option 051 direct access loops



MODEL

Anritsu MN4697C

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MN4697C

LISTING

<https://aumictechlabs.com/products/mn4697c-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MN4697C is a 4-port test set designed for vector network analysis across RF and microwave frequencies. It features V connectors (1.85 mm) and operates from 70 kHz to 70 GHz, enabling multi-port device and circuit characterization with exceptional dynamic range and low

trace noise. The test set integrates with Anritsu's VectorStar MS464xA/B series 2-port Vector Network Analyzers to extend measurement capability beyond standard 2-port configurations.

Technical Specifications

Frequency Range: 70 kHz to 70 GHz (operational to 40 kHz)

Connectors: V connectors (1.85 mm)

Performance Characteristics:

Test Port Power: Maximum rated power typical from 2.4 GHz to 2.7 GHz

Noise Floor: Measured at 10 Hz IF bandwidth, no averaging, -10 dBm power setting, RMS. Leakage correction applied below 200 MHz

System Dynamic Range: Calculated as difference between maximum test port power and noise floor

Receiver 0.1 dB Compression: Port power level where response may compress >0.1 dB relative to normalization level (0.17 dB, <300 kHz); 10 Hz IFBW applied; characteristic performance

Receiver Dynamic Range: Difference between maximum receiver input level for 0.1 dB compression and noise floor; characteristic performance

Operating Conditions: Warm-up time: 90 minutes (ON state)

Temperature range: 25 °C ± 5 °C

Error-corrected specifications: 23 °C ± 3 °C, <1 °C variation from calibration temperature

Key Features

4-port architecture for multi-port vector network measurements

Low insertion loss test set design

Extended frequency coverage to 70 GHz

High receiver dynamic range and low noise floor

Leakage correction capability for sub-200 MHz operation

Compatibility & Integration

The MN4697C requires an Anritsu VectorStar MS464xA/B series 2-port VNA (not included) with Option 051 (Direct Access Loops). Compatible models include MS4645A/B and MS4647A/B.

MN4697C Characteristics / Specifications

PARAMETER	VALUE
Model	MN4697C
Function	4 port VNA test set
Test Port Connectors	V 1.85 mm
Frequency Coverage	70 kHz to 70 GHz
Operational Low Frequency	40 kHz
Base VNA	MS4645A/B or MS4647A/B with Option 051 or 06x Direct Access Loops
Low Frequency Option On Base VNA	Option 070 required below 10 MHz
Warm Up Time For Specs	90 minutes
Specification Temperature	25 C plus or minus 5 C
Error Corrected Temperature	23 C plus or minus 3 C with less than 1 C variation from calibration
Recommended Calibration Cycle	12 months
Height	89 mm 2U
Width Body	426 mm
Depth Body	502 mm
Mass Fully Loaded	less than 10 kg
Standard Accessories	6 interface cables to base VNA GPIB cable power cord
Companion Cal Kit	3654DVconnectors
Companion AutoCal	36585V 2 portVCompanion Test Port Cable Example: 3670V50A 1 30 cmVmale toVfemale
Temperature Stability Magnitude 2.5 to 20 GHz	less than 0.04 dB perCTemperature Stability Phase 2.5 to 20 GHz: less than 0.5 deg perCTemperature Stability Magnitude 65 to 70 GHz: less than 0.10 dB perCTemperature Stability Phase 65 to 70 GHz: less than 1.1 deg perCSeries Family: MN469xC with MN4694CKconnector sibling to 20/40 GHz

MN4697C Specifications

PARAMETER	VALUE
Applications	Multiport broadband VNA characterization of differential devices, packages, and components to 70 GHz on VectorStar.
Key Features	4 port V 1.85 mm test set to 70 GHz
Works with MS4647A/B Option 051 direct access loops	Operational down to 40 kHz with Option 070
Technical Specifications	Model: MN4697C

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 sheet lists 2U chassis, less than 10 kg, V connectors, and residual performance after SOLT with the 3654DVcal kit.

Applications
Multiport broadband VNA characterization of differential devices, packages, and components to 70 GHz on VectorStar.

Key Features
4 port V 1.85 mm test set to 70 GHz
Works with MS4647A/B Option 051 direct access loops
Operational down to 40 kHz with Option 070
2U less than 10 kg chassis
Uses 3654DVcal kit and 36585V AutoCal

Technical Specifications

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Series Family: MN469xC with MN4694CKconnector sibling to 20/40 GHz

Notes

From Anritsu MN469xC Series Vector Network Analyzer Multiport Test Sets Technical Data Sheet 11410-00777.
Corrected residual tables depend on SOLT versus AutoCal and the base MS464xB.

Ordering Information

OPTION	DESCRIPTION
Option 051	direct access loops
Option 070	2U less than 10 kg chassis

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.