

ANRITSU

37369D

The Anritsu 37369D is a high-performance 2-port Vector Network Analyzer belonging to the Premium Lightning family. Spanning 40 MHz to 40 GHz, it is optimized for active and passive device characterization. Standard configurations include step attenuators, internal bias tees, a high-stability frequency reference, and advanced measurement capabilities such as gain compression and frequency translation software.

SPECIFICATIONS

General

Interfaces	GPIB (System & Dedicated), LAN (10BASE-T/100BASE-TX), Serial, Parallel, VGA Output
Display	Color Active Matrix LCD

Physical

Power Supply	85 to 240 Vac, 48 to 63 Hz, 540 VA maximum
Operating Temperature	0°C to +50°C °C
Dimensions (W×H×D)	432 mm × 222 mm × 584 mm mm

Frequency & Stimulus Specifications

Frequency Range	40 MHz to 40 GHz
Frequency Resolution	1 Hz
Number of Test Ports	2
Test Port Impedance	50 Ω
Source Step Attenuator	Included (Standard)
Test Port Attenuator	Included (Standard)
High Stability Frequency Reference	Optional (Option 10)

Hardware Interfaces & Connections

Test Port Connector Type	K (female)
Internal Bias Tees	Included (Standard)
Rear Panel IF Inputs	Optional (Option 15)

Measurement Capabilities & Calibration

Gain Compression Application	Standard
Multiple Source Control & Frequency Offset	Standard
E/O and O/E Measurements	Supported
NxN Calibration Utility	Standard (for Mixer Measurements)
Embed/De-Embed Application	Standard
Time Domain Analysis Capability	Supported (Optional)

System, Controller & Storage

Upgradability	Configurable to ME7808B millimeter-wave system
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Measurement Capabilities

Measurement Points	2 to 1601
Measurement Channels	4
Sweep Types	Linear, Log, CW, Power

Source Performance

Power Resolution	0.01 dB
Maximum Output Power (0.04 to 2 GHz)	+5 dBm
Maximum Output Power (2 to 20 GHz)	-3 dBm
Maximum Output Power (20 to 40 GHz)	-15 dBm

Storage

Internal Storage	Internal hard disk drive, 3.5-inch floppy drive (1.44 MB)
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Interfaces

GPIB Interfaces	2 (System and Dedicated, IEEE 488.2)
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Dynamic Range

System Dynamic Range (0.04 to 2 GHz)	100 dB (at 10 Hz IF BW)
System Dynamic Range (2 to 20 GHz)	100 dB (at 10 Hz IF BW)
System Dynamic Range (20 to 40 GHz)	90 dB (at 10 Hz IF BW)

Receiver

Coherent Receiver Channels	4
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Storage & I/O

Floppy Disk Drive	3.5 in (1.44 MB)
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Calibration

Supported Calibrations	SOLT, LRL, LRM, TRL, TRM, Offset Short
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Environmental

Storage Temperature Range	-40 °C to +75 °C
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Rear Panel I/O

VGA Output	15-pin D-sub (rear panel)
Serial Port	9-pin D-sub (RS-232)
Parallel Port	25-pin female D-sub (Centronics printer interface)
External Trigger Input	BNC, TTL-compatible

TECHNOLOGY

Vector Network Analysis

APPLICATIONS

Active and passive microwave component characterization, millimeter-wave integration, mixer and converter testing

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.