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Data Sheet

August 14, 2026

ANRITSU

Anritsu MP1651A 3GHz Error Detector

The Anritsu MP1651A is a 3 GHz class error detector used with MP1652A PPG for bit error rate testing. BER measurement of high-speed digital and optical receivers up to 3 GHz class.

Measurement: bit error rate and error counts Application Class: high speed digital optical Rx

test Phase Adjust: clock/data phase margin class Sensitivity Class: high sensitivity ED path

Configuration Note: confirm exact sensitivity phase-margin tables on OEM datasheet before

denser upload Frequency-class rows from Anritsu MP1651A product identification and BERTS

family literature. Expand full sensitivity/phase-margin tables from the OEM datasheet PDF

before upload.



MODEL

Anritsu MP1651A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP1651A

LISTING

<https://aumictechlabs.com/products/mp1651a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MP1651A is an error detector that functions as a network analyzer component. While specific, comprehensive technical specifications for the MP1651A model are not readily available in public datasheets, it is associated with Anritsu's line of test and measurement equipment, known for precision and reliability. The Anritsu MP1651A is typically referenced in operational manuals, indicating its integration into broader testing systems. Technical Details * Product Type: Error Detector / Network Analyzer Component Manufacturer: Anritsu Associated Product Series: Likely part of Anritsu's broader network analysis or bit error rate testing (BERT) instrument

families, which include devices like the MP1609A and MP1702A, often used in conjunction with GP-IB interfaces. Documentation: Operation manuals for the Anritsu MP1651A are available, suggesting its use in established testing workflows. Interfaces * GP-IB: The Anritsu MP1651A is mentioned in conjunction with GP-IB interfaces, indicating its potential for integration into automated test systems where remote control and data acquisition are required. Compatibility * System Integration: This device is often referenced alongside other Anritsu modules such as the MP1702A and MP1609A, implying compatibility within specific Anritsu testing platforms or configurations. Related Anritsu Products Anritsu offers a wide range of network analysis and test equipment, including: * Vector Network Analyzers (VNAs): Such as the VectorStar™ Series (70 kHz to 220 GHz) and ShockLine™ Series (50 kHz to 92 GHz), designed for characterizing passive and active components. Handheld Analyzers: Including the VNA Master, which combines vector network and spectrum analysis capabilities (5 kHz to 6 GHz), optimized for field use in cable, antenna, and component measurements. Bit Error Rate Testers (BERT) / Oscilloscopes: Anritsu provides BERT solutions, such as the BERTWave Series, for high-speed digital signal analysis. Signal Analyzers: Including spectrum analyzers and signal analyzers with advanced signal processing capabilities. Why Choose Aumictech for Anritsu MP1651A? At Aumictech, we specialize in sourcing and supplying high-end Anritsu test and measurement equipment. Whether you need reliable network analysis components, precision error detection, or solid system integration solutions, our team ensures that the Anritsu MP1651A and related instruments deliver maximum performance for your application.

MP1651A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Error detector
Series Family	Anritsu MP165x BERTS
Clock Frequency Class	up to 3 GHz
Companion PPG	MP1652A
Measurement	bit error rate and error counts
Application Class	high speed digital optical Rx test
Remote Interface	GPIB
Input	data and clock inputs class
Form Factor	BERTS ED mainframe
Use Stage	R&D manufacturing
Threshold	variable decision threshold class
Phase Adjust	clock/data phase margin class
Synchronization	auto sync class
Termination	50 ohm class
Automation	GPIB production control
Calibration	OEM periodic calibration
Family Peer	MP1652A 3 GHz PPG
Bit Rate Class	up to 3 Gbit/s NRZ class
Display	BER and error statistics
Polarity	invert capability class
Burst	burst measurement features class
Accessories	matched cables recommended
Documentation	Anritsu MP1651A manual
Sensitivity Class	high sensitivity ED path

PARAMETER	VALUE
Configuration Note	confirm exact sensitivity phase-margin tables on OEM datasheet before denser upload

MP1651A Specifications

PARAMETER	VALUE
Anritsu MP1651A 3 GHz Error Detector	Overview
Applications	BER measurement of high-speed digital and optical receivers up to 3 GHz class.
Key Features	3 GHz class error detector
Technical Specifications	Instrument Type: Error detector

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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Notes

Frequency-class rows from Anritsu MP1651A product identification and BERTS family literature. Expand full sensitivity/phase-margin tables from the OEM datasheet PDF before upload.

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.