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Data Sheet

August 15, 2026

ANRITSU

Anritsu MP1756A 12.5GHz MUX

Anritsu MP1756A 0.5 to 15 GHz Error Detector The Anritsu MP1756A is a high-speed error detector covering 0.5 to 15 GHz. OEM GPIB operation documentation groups MP1756A with MP1702A/MP1609A/MP1651A error detectors for BERT control, and product listings identify 0.5-15 GHz error-detector operation for high-speed digital communications. BERT error detection on high-speed optical and electrical serial links from 500 Mb/s class through 15 Gb/s class clocks. Family with MP1702A/MP1609A/MP1651A detectors The Anritsu MP1756A is a high-speed error detector covering 0.5 to 15 GHz. OEM GPIB operation documentation groups MP1756A with MP1702A/MP1609A/MP1651A error detectors for BERT control, and product listings identify 0.5-15 GHz error-detector operation for high-speed digital communications. BERT error detection on high-speed optical and electrical serial links from 500 Mb/s class through 15 Gb/s class clocks. Family with MP1702A/MP1609A/MP1651A detectors Pairs with Anritsu pulse-pattern generators



MODEL

Anritsu MP1756A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP1756A

LISTING

<https://aumictechlabs.com/products/mp1756a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MP1756A is a pulse pattern generator designed for the testing of high-speed digital communication systems and devices. This instrument generates various pulse patterns with precise control over timing and amplitude, making it suitable for research and development in

ultra-high-speed logic, ICs, and digital communication systems.### Technical Specifications *

****Device Type:**** Pulse Pattern Generator (PPG)* ****Application:**** Testing ultra-high-speed logic, ICs, and digital communication systems.* ****Pattern Generation:**** Generates various pulse patterns with precise timing and amplitude control.* ****Compatibility:**** Used in conjunction with Anritsu Error Detectors such as the MP1702A, MP1609A, MP1651A, and specifically mentioned with the MP1755A.### Electrical Specifications *

****Output Waveform:**** NRZ (Non-Return-to-Zero)* ****Frequency Range:**** While specific operational frequency for the MP1756A is not explicitly detailed in the provided search results, related Anritsu pulse pattern generators like the MP1758A operate from 0.1 to 12.5 GHz, and the MP1763B operates from 50 MHz to 12.5 GHz. The MP1775A also supports data output from 100 Mbps to 12.5 Gbps per channel.* ****Clock Input:**** * **Polarity Inversion:** POS/NEG inversion selectable * **Input Impedance:** 50 Ω * **Connector:** APC-3.5 * **Number of Inputs:** 1 (MU177601B 12.5 Gbit/s Error Detector Unit, up to 4 channels can be added)* ****Data Output:**** * **Output Waveform:** NRZ * **Amplitude:** Typically adjustable in related models (e.g., 0.5 to 2.0 Vp-p in MP1758A and MP1775A) * **Offset Voltage:** Typically adjustable in related models (e.g., -2.0 to +2.0 VOH in MP1758A and MP1775A) * **ECL Termination:** Provided * **Load Impedance:** 50 Ω * **Connector:** APC-3.5### Interfaces *

****Control Interface:**** GP-IB, Parallel### Physical Characteristics *

****Connector Types:**** APC-3.5 is frequently mentioned in specifications for Anritsu high-speed digital equipment, including for clock input and data output connectors. Precision N-type connectors are also mentioned in relation to specific models like the MP1653A.### Patterns and Modulation *

****Pattern Types:**** * **Alternate * Programmable Pattern:** Capable of generating data up to 8 Mbits (MP1763B), or up to 128 kbit x 4 channels (MP1758A/MP1775A). * **Zero Substitution * Pseudorandom Patterns (PRBS):** Available in various lengths, such as 2^n-1 (where $n = 7, 9, 11, 15, 20, 23, 31$). * **Logic Inversion:** Provided* ****Mark Ratio (for PRBS):**** * **Selectable from among** 0/8, 1/8, 1/4, 1/2, 3/4, 7/8, and 8/8 for the MP1763B.* ****Phase Difference:**** $\frac{1}{4}$ phase difference for each channel is supported in PRBS generation for models like the MP1758A.* ****Error Detection:**** Used in conjunction with Anritsu Error Detectors for evaluating conformity with ITU-T (formerly CCITT) standards. Error detection intervals can be as short as 0.1 seconds with zero wait time counter gate.### Why Choose Aumictech for Anritsu MP1756A? At Aumictech, we specialize in supplying high-end Anritsu test and measurement equipment. Whether you need to generate complex pulse patterns for high-speed digital system validation, require precise timing and amplitude control for your lab's R&D efforts, or need solid signal sources for complex communication system characterization, our team ensures the Anritsu MP1756A delivers maximum performance for your application.

MP1756A Characteristics / Specifications

PARAMETER	VALUE
Model	MP1756A
Instrument Type	error detector
Frequency Range	0.5 GHz to 15 GHz
Minimum Frequency	0.5 GHz
Maximum Frequency	15 GHz
Remote Control	GPIB
Family Detectors	MP1702A MP1756A MP1609A MP1651A
Use Case	high-speed BER error detection
Manufacturer	Anritsu
Form Factor	benchtop error detector
Partner Role	BERT receive side
Clock Domain	0.5 to 15 GHz
Communications Class	high-speed digital
Documentation	GPIB operation manual shared with MP1702A family
System Role	error detector
Bit Rate Class	0.5 to 15 Gb/s class with matching clock
Input Class	high-speed data and clock
Measurement	bit error detection
Lab Use	optical and electrical serial test
Related Mux Listings	12.5 GHz class Anritsu BERT accessories
Power	mains powered benchtop instrument
Interface	GPIB IEEE-488 class
Operating Use	production and R&D BERT

MP1756A Specifications

PARAMETER	VALUE
Anritsu MP1756A 0.5 to 15 GHz Error Detector	Overview
Applications	BERT error detection on high-speed optical and electrical serial links from 500 Mb/s class through 15 Gb/s class clocks.
Key Features	0.5 to 15 GHz error detector
GPIB remote control	Family with MP1702A/MP1609A/MP1651A detectors
Technical Specifications	Model: MP1756A

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	
Specifications	
PARAMETER	VALUE
Model	MP1756A
Instrument Type	error detector
Frequency Range	0.5 GHz to 15 GHz
Minimum Frequency	0.5 GHz
Maximum Frequency	15 GHz
Remote Control	GPIB
Family Detectors	MP1702A MP1756A MP1609A MP1651A
Use Case	high-speed BER error detection
Manufacturer	Anritsu
Form Factor	benchtop error detector
Partner Role	BERT receive side
Clock Domain	0.5 to 15 GHz
Communications Class	high-speed digital
Documentation	GPIB operation manual shared with MP1702A family
System Role	error detector
Bit Rate Class	0.5 to 15 Gb/s class with matching clock
Input Class	high-speed data and clock
Measurement	bit error detection
Lab Use	optical and electrical serial test
Related Mux Listings	12.5 GHz class Anritsu BERT accessories
Power	mains powered benchtop instrument
Interface	GPIB IEEE-488 class
Operating Use	production and R&D BERT
Notes	
From Anritsu MP1756A product identity (0.5-15 GHz error detector) and GPIB operation manual grouping with	

MP1702A/MP1609A/MP1651A. Pattern length, input amplitude, and connector type belong on the MP1756A error-detector datasheet.

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 ·
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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.