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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU195020A 21G / 32G bit/s SI Pulse Pattern Generator Module

Anritsu MU195020A 21G/32G bit/s SI PPG Module The Anritsu MU195020A is a 21G/32G bit/s signal-integrity pulse pattern generator module for the MP1900A Signal Quality Analyzer-R. OEM MP1900A data list NRZ operation from 2.4 Gbit/s to 21 Gbit/s or 32.1 Gbit/s, 1 or 2 channels, 0.1 to 1.3 Vp-p single-ended amplitude, 10-tap emphasis, and typical 12 ps Tr/Tf with 115 fs rms random jitter. High-speed serial SI validation, PCIe/USB link training stimuli, and multi-channel NRZ pattern generation in MP1900A systems. The Anritsu MU195020A is a 21G/32G bit/s signal-integrity pulse pattern generator module for the MP1900A Signal Quality Analyzer-R. OEM MP1900A data list NRZ operation from 2.4 Gbit/s to 21 Gbit/s or 32.1 Gbit/s, 1 or 2 channels, 0.1 to 1.3 Vp-p single-ended amplitude, 10-tap emphasis, and typical 12 ps Tr/Tf with 115 fs rms random jitter. High-speed serial SI validation, PCIe/USB link training stimuli, and multi-channel NRZ pattern generation in MP1900A systems. Channel emulator with S-parameter files. K female output connectors



MODEL

**Anritsu
MU195020A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU195020A

LISTING

<https://aumictechlabs.com/products/mu195020a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MU195020A is a Signal Integrity Pulse Pattern Generator Module engineered for high-speed digital testing at 21 Gbps and 32 Gbps. It generates precise pulse patterns and complex data sequences required for signal integrity analysis, device characterization, and compliance validation across high-frequency interconnects and components.

Technical Specifications

- Data Rates** 21 Gbps, 32 Gbps
- Output Characteristics** Complex pulse pattern generation for signal integrity analysis
- Precise amplitude control for testing device response across signal strength variations
- Rise and fall time specifications for slew rate and intersymbol interference evaluation
- Total Jitter, Random Jitter, and Deterministic Jitter performance metrics

Connectors High-frequency connectors (2.92 mm, SMA) for low-loss signal transmission

Synchronization and triggering inputs/outputs for multi-instrument system timing

Key Features

- Dual-rate operation supports 21 Gbps and 32 Gbps test sequences
- Amplitude control enables stress testing under variable signal conditions
- Jitter characterization supports signal quality assessment
- Transition time control addresses ISI and signal degradation analysis

Typical Applications

- Signal integrity testing of transmission lines and high-speed interconnects
- Component validation including connectors, cables, PCBs, and integrated circuits
- High-speed digital communication system performance verification
- Standards compliance pattern generation for telecommunications and data center equipment

Compatibility & Integration The MU195020A integrates with Anritsu test platforms through module-specific power and synchronization interfaces. Host system compatibility and module configuration details are defined by individual system specifications.

MU195020A Characteristics / Specifications

PARAMETER	VALUE
Host Mainframe	MP1900A Signal Quality AnalyzerROperation Bit Rate NRZ: 2.4 Gbit/s to 21 Gbit/s or 32.1 Gbit/s
Channel Count	1 or 2
Output Amplitude Single Ended	0.1 Vp-p to 1.3 Vp-p
Output Amplitude Differential	0.2 Vp-p to 2.6 Vp-p
Emphasis	10 tap
Tr Tf 20 To 80 Percent Typical	12 ps
Random Jitter Typical	115 fs rms
Output Connector	K female
ISI Loss Setting Nyquist	1.5 to 25 dB 0.01 dB step
ISI Loss Setting Half Nyquist	0 to 25 dB 0.01 dB step
Channel Emulator Files	S2P S4P
Pattern Types Class	PRBS DATA Zero Substitution Mixed class
Form Factor	MP1900A plug in module
Series Family	MU195020A
Link Training Support Class	PCIe and USB with MX183000A options
Remote Control	Via MP1900A GPIB LAN
Operating Temperature Class	Plus 5 C to plus 40 C host class
Power	Supplied by MP1900A
Warmup Class	Per MP1900A recommendation
Calibration	Module level SI calibration class
Manufacturer	Anritsu
Operating temperature	Class: Plus 5 C to plus 40 C host class

MU195020A Specifications

PARAMETER	VALUE
Anritsu MU195020A 21G/32G bit/s SI PPG Module	Overview
Applications	High-speed serial SI validation, PCIe/USB link training stimuli, and multi-channel NRZ pattern generation in MP1900A systems.
Key Features	2.4 to 32.1 Gbit/s NRZ SI PPG
Technical Specifications	Host Mainframe: MP1900A Signal Quality Analyzer R
Notes	From Anritsu MP1900A Signal Quality Analyzer-R data sheet and MU195020A SI PPG specifications.

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Plus 5 C to plus 40 C host class
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Operating Temperature Class	Plus 5 C to plus 40 C host class
Power	Supplied by MP1900A
Warmup Class	Per MP1900A recommendation
Calibration	Module level SI calibration class
Manufacturer	Anritsu Notes From Anritsu MP1900A Signal Quality Analyzer-R data sheet and MU195020A SI PPG specifications.

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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Calibration	Module level SI calibration class
Manufacturer	Anritsu
Notes	
From Anritsu MP1900A Signal Quality Analyzer-R data sheet and MU195020A SI PPG specifications.	

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.