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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU150001A SDH/SONET Module

Anritsu MU150001A Optical 10G Transmitter Unit The Anritsu MU150001A is the 1550 nm Optical 10G Tx plug-in for the MP1570A SONET/SDH analyzer, specified for 2 km transmission. OEM MP1570A module tables list 9953.28 Mbit/s (2488.32 Mbit/s with option 01), FC-PC SMF, optical-safety interlock, and replaceable FC/ST/DIN/SC/HMS-10/A connectors. OC-192/STM-64 optical transmit stimulus in MP1570A R&D, manufacturing, and turn-up systems. Instrument Type: Optical 10G Tx 1.55 um plug in The Anritsu MU150001A is the 1550 nm Optical 10G Tx plug-in for the MP1570A SONET/SDH analyzer, specified for 2 km transmission. OEM MP1570A module tables list 9953.28 Mbit/s (2488.32 Mbit/s with option 01), FC-PC SMF, optical-safety interlock, and replaceable FC/ST/DIN/SC/HMS-10/A connectors. OC-192/STM-64 optical transmit stimulus in MP1570A R&D, manufacturing, and turn-up systems. Instrument Type: Optical 10G Tx 1.55 um plug in Host Mainframe: MP1570A SONET SDH PDH ATM analyzer



MODEL

**Anritsu
MU150001A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU150001A

LISTING

<https://aumictechlabs.com/products/mu150001a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MU150001A is a 10 Gbps optical transmitter unit designed for use with Anritsu's MP1570A platform. This module operates in the 1550 nm wavelength band and is suitable for short-reach applications, typically up to 2 km. It has specialized capabilities for testing and characterizing high-speed optical communication systems and components. Technical

Specifications Optical Transmitter Specifications * Bit Rate: 9953.28, 2488.32 Mbit/s (Option)
Optical Output Wavelength: 10G-1550 nm band Optical Output Level: -4 dBm $\pm$ 3 dB Optical Output
Connector: FC-PC (SM-F) Optical Output Safety: IEC825-1 Class 3A, 21CFR1040.10 Class IIIb
Electrical Interface Specifications * Electrical Data Input: * High (H): 0 to -0.2 V * Low (L): -0.85 to
-1.4 V Electrical Clock Input: * High (H): 0 to -0.2 V * Low (L): -0.85 to -1.3 V Electrical Connector:
SMA 50 Ω Supported Platforms and Options * Primary Host Platform: MP1570A/A1 Available
Options: * 01: 2.5G, 1310 nm band * 02: 2.5G, 1550 nm band Safety and Compliance * Optical
Output Safety: IEC825-1 Class 3A, 21CFR1040.10 Class IIIb Physical Characteristics * No specific
physical dimensions were found in the provided search results. However, it is designed as a
module or card for the MP1570A test set. Compatibility * Designed for use with the Anritsu
MP1570A/A1 test platform. Why Choose Aumictech for the Anritsu MU150001A? At Aumictech, we
specialize in supplying high-end optical test equipment. Whether you need a reliable Anritsu
MU150001A for extending the capabilities of your MP1570A, require accurate 10 Gbps
transmission testing at 1550 nm, or need specialized short-reach optical component
characterization, our team ensures the Anritsu MU150001A delivers maximum performance for
your application.

MU150001A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Optical 10G Tx 1.55 um plug in
Host Mainframe	MP1570A SONET SDH PDH ATM analyzer
Bit Rate 10G	9953.28 Mbit/s
Bit Rate 2.5G Option	2488.32 Mbit/s option 01
Wavelength Band	1550 nm
Transmission Reach	2 km MU150001A versus 40 km MU150001B
Optical Connector	FC-PC SMF
Connector Options	FC ST DIN SC HMS-10/A replaceable
Optical Safety Interlock	remote interlock cord and terminator supplied
Laser Key	optical output control key supplied
Host Rate Span	1.5 Mbit/s to 10 Gbit/s depending on other plug ins
Host Clock Accuracy	plus or minus 3.5 ppm internal without jitter unit
Concat Mapping	STM-1c up to STM-64c
Electrical Monitor Class	SMA 50 ohm data/clock monitor path on 10G optical family
Slot Architecture	MP1570A six slot plug in
Standards	ITU-T G.703 and G.958 52 156 622 2488 9953 Mbit/s family
Prbs Patterns	2 ¹¹ -1 through 2 ³¹ -1 on host
Error Addition Rates	1E-3 through 1E-9 on host
Form Factor	MP1570A plug in unit
Remote Control	GPIB RS-232C or Ethernet via mainframe

MU150001A Specifications

PARAMETER	VALUE
Anritsu MU150001A Optical 10G Transmitter Unit	Overview
Applications	OC-192/STM-64 optical transmit stimulus in MP1570A R&D, manufacturing, and turn-up systems.
Key Features	9953.28 Mbit/s 1550 nm Tx
Laser interlock key	Host mapping STM-1c to STM-64c
Technical Specifications	Instrument Type: Optical 10G Tx 1.55 um plug in

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
Instrument Type	Optical 10G Tx 1.55 um plug in
Host Mainframe	MP1570A SONET SDH PDH ATM analyzer
Bit Rate 10G	9953.28 Mbit/s
Bit Rate 2.5G Option	2488.32 Mbit/s option 01
Wavelength Band	1550 nm
Transmission Reach	2 km MU150001A versus 40 km MU150001B
Optical Connector	FC-PC SMF
Connector Options	FC ST DIN SC HMS-10/A replaceable
Optical Safety Interlock	remote interlock cord and terminator supplied
Laser Key	optical output control key supplied
Option 01: 2.5G 1.31 um Option 02: 2.5G 1.55 um Option 03: 2.5G 1.31/1.55 um	
Specifications	
PARAMETER	VALUE
Host Rate Span	1.5 Mbit/s to 10 Gbit/s depending on other plug ins
Host Clock Accuracy	plus or minus 3.5 ppm internal without jitter unit
Concat Mapping	STM-1c up to STM-64c
Electrical Monitor Class	SMA 50 ohm data/clock monitor path on 10G optical family
Slot Architecture	MP1570A six slot plug in
Standards	ITU-T G.703 and G.958 52 156 622 2488 9953 Mbit/s family
Prbs Patterns	2^11-1 through 2^31-1 on host
Error Addition Rates	1E-3 through 1E-9 on host
Form Factor	MP1570A plug in unit
Remote Control	GPIB RS-232C or Ethernet via mainframe
Notes	
From Anritsu MP1570A/MU15xxxx specification and ordering tables. MU150001A is the 2 km 1550 nm 10G Tx; do not	

mix Rx sensitivity rows from companion receive units.

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.