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**Data Sheet**

August 2, 2026

ANRITSU

# Anritsu MU181000A

Anritsu MU181000A – 12.5 GHz 1-Port Synthesizer Module The MU181000A provides a 12.5 GHz one-port synthesizer clock source plug-in module designed for the Anritsu MP1800A and MP1900A signal quality analyzer mainframes. It serves as the clock and pattern generator reference source and pairs with the MU181500B jitter modulation module for jitter stress testing. 12.5 GHz clock and synthesizer source for MP1800A/MP1900A BERT and signal integrity test systems; reference clock for PPG modules; jitter tolerance testing when combined with MU181500B; SERDES and high-speed digital clock domain test. The MU181000A provides a 12.5 GHz one-port synthesizer clock source plug-in module designed for the Anritsu MP1800A and MP1900A signal quality analyzer mainframes. It serves as the clock and pattern generator reference source and pairs with the MU181500B jitter modulation module for jitter stress testing. 12.5 GHz clock and synthesizer source for MP1800A/MP1900A BERT and signal integrity test systems; reference clock for PPG modules; jitter tolerance testing when combined with MU181500B; SERDES and high-speed digital clock domain test.

No photo

MODEL

**Anritsu  
MU181000A**

CALIBRATION

**N/A — off-catalog  
OEM datasheet**

CONDITION

**See OEM  
documentation**

STATUS

**Not listed on  
Aumictech  
inventory**

RFQ / SKU

**MU181000A**

LISTING

**Off-catalog — OEM dat  
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

## Features & description

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From manufacturer datasheet

### Features

- MP1800A/MP1900A plug-in 12.5 GHz 1-port synthesizer
- Clock source for PPG and jitter modulation workflows
- Frequency coverage to 12.5 GHz and related PPG clock rates
- Pairs with MU181500B jitter modulation module
- Single-port (1-port) configuration
- SMA output connector

# MU181000A Characteristics / Specifications

| PARAMETER          | VALUE                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Anritsu MU181000A  | 12.5 GHz 1-Port Synthesizer Module Overview The MU181000A provides a 12.5 GHz one-port synthesizer clock source plug-in module designed for the Anritsu MP1800A and MP1900A signal quality analyzer mainframes. It serves as the clock and pattern generator reference source and pairs with the MU181500B jitter modulation module for jitter stress testing. |
| Model              | MU181000A                                                                                                                                                                                                                                                                                                                                                      |
| Manufacturer       | Anritsu                                                                                                                                                                                                                                                                                                                                                        |
| Mainframe          | MP1800A, MP1900A Signal Quality Analyzer                                                                                                                                                                                                                                                                                                                       |
| Instrument Type    | 12.5 GHz 1-Port Synthesizer Plug-in Module                                                                                                                                                                                                                                                                                                                     |
| Maximum Frequency  | 12.5 GHz                                                                                                                                                                                                                                                                                                                                                       |
| Port Configuration | 1-port synthesizer                                                                                                                                                                                                                                                                                                                                             |
| Clock Application  | PPG reference and jitter modulation clock source                                                                                                                                                                                                                                                                                                               |
| Companion Module   | MU181500B (jitter modulation)                                                                                                                                                                                                                                                                                                                                  |
| Related Model      | MU181000B (4-port variant–distinct configuration)                                                                                                                                                                                                                                                                                                              |
| Connectors         | SMA output                                                                                                                                                                                                                                                                                                                                                     |
| Form Factor        | MP1800A/MP1900A plug-in module                                                                                                                                                                                                                                                                                                                                 |
| Alias              | MU181000A Standard Operating Conditions Install only incompatible MP1800A or MP1900A slot with adequate power budget. Use appropriate high-speed SMA cables. Confirm mainframe firmware compatibility and frequency plan before clock domain testing.                                                                                                          |

# 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              | MU181000A                                         |
| Manufacturer       | Anritsu                                           |
| Mainframe          | MP1800A, MP1900A Signal Quality Analyzer          |
| Instrument Type    | 12.5 GHz 1-Port Synthesizer Plug-in Module        |
| Maximum Frequency  | 12.5 GHz                                          |
| Port Configuration | 1-port synthesizer                                |
| Clock Application  | PPG reference and jitter modulation clock source  |
| Companion Module   | MU181500B (jitter modulation)                     |
| Related Model      | MU181000B (4-port variant-distinct configuration) |
| Connectors         | SMA output                                        |
| Form Factor        | MP1800A/MP1900A plug-in module                    |
| Alias              | MU181000A                                         |

Standard Operating Conditions

Install only incompatible MP1800A or MP1900A slot with adequate power budget. Use appropriate high-speed SMA cables. Confirm mainframe firmware compatibility and frequency plan before clock domain testing.

Operational Notes

Distinguish MU181000A (1-port) from MU181000B (4-port)-port count and application differ. MU181000A is a plug-in module requiring an MP1800A or MP1900A mainframe. Alias MU181000A.

### Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

Request a quote: [sales@aumictech.com](mailto: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.