Aumictech
Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 14, 2026

ANRITSU

Anritsu MU181800B â€“ Clock Distribution Module; 14 GHz

Anritsu MU181800B Jitter Modulation Source Module The Anritsu MU181800B isajitter modulation source module for Anritsu Signal Quality Analyzer platforms used to apply controlled jitter to high-speed serial stimuli. OEM MP1900A support tables list MU181800B among jitter-modulation options for SI and BER stress testing. Jitter tolerance testing, stressed-eye serial validation, and modulated PPG stimulus on SQA mainframes. Instrument Type: Jitter modulation source module The Anritsu MU181800B isajitter modulation source module for Anritsu Signal Quality Analyzer platforms used to apply controlled jitter to high-speed serial stimuli. OEM MP1900A support tables list MU181800B among jitter-modulation options for SI and BER stress testing. Jitter tolerance testing, stressed-eye serial validation, and modulated PPG stimulus on SQA mainframes. Instrument Type: Jitter modulation source module Host Platform Class: Anritsu Signal Quality AnalyzerRclass

MODEL **Anritsu MU181800B**	CALIBRATION **Available on request**
CONDITION **Used**	STATUS **In stock**
RFQ / SKU **MU181800B**	LISTING **https://aumictechlabs.com/products/mu181800b-2/**

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MU181800B is a 14 GHz clock distribution module engineered as a plug-in card for the Anritsu Signal Quality Analyzer (SQA) platform. It generates and distributes five synchronized 1:1

clock channels derived from an external input clock, operating across 0.1 GHz to 14 GHz. This module is purpose-built for R&D and manufacturing environments where high-speed digital communication equipment demands precise timing and minimal jitter to maintain signal integrity. Technical Specifications Frequency range: 0.1 GHz to 14 GHz Output channels: 5 (1:1 clock signal) Clock input level: 0.4 V_p-p to 2.0 V_p-p Clock input waveform: Square wave below 0.5 GHz; Square wave or Sine wave at 0.5 GHz and above Clock input connector: SMA (female), 50Ω terminated Key Features Five synchronized output channels maintain external clock phase relationship Accepts both square and sinusoidal inputs at higher frequencies for design flexibility Single-card form factor integrates directly into SQA platform architecture Low input level requirements (400 mV_p-p minimum) accommodate weak clock sources Wide frequency coverage supports communication standards Typical Applications High-speed digital communication module characterization Device-level timing analysis and jitter measurement Multi-channel synchronization in manufacturing test environments Signal integrity validation for serial link and parallel interface testing Compatibility & Integration The MU181800B operates as a dedicated module within Anritsu SQA instruments, including the MP1800A platform. Clock input connects via SMA female connector with 50Ω termination. Module storage temperature range is -20°C to +60°C with 20% to 80% humidity.

MU181800B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Jitter modulation source module
Series Family	MU181800B
Host Platform Class	Anritsu Signal Quality AnalyzerRclass
Form Factor	Plug in module
Primary Function	Apply jitter modulation to serial stimuli
Remote Control	Via host GPIB LAN
Power	Supplied by host
Operating Temperature Class	Host laboratory range class
Jitter Types Class	SJ RJ and related jitter components class
Frequency Range Class	High speed serial jitter band class
Calibration	Module level jitter calibration class
Export Classification Class	Commercial BERT accessory class
Related Instruments	MU181020 / MU183020 / MU195020 PPG families
Warmup Class	Per host recommendation
Status Reporting	Host status system class
Connector Class	High speed clock data paths class
Control Software Class	MX183000A family class
Slot Width Class	Single module class
Amplitude Control Class	Jitter amplitude setting class
Modulation Bandwidth Class	Jitter frequency setting class
Use Case	Jitter tolerance and stressed eye
Form Factor Height Class	Mainframe module class
Bandwidth	Class: Jitter frequency setting class
Operating temperature	Class: Host laboratory range class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Host laboratory range class
Operating Temperature	Class: Host laboratory range class
Operating Temperature Class	Host laboratory range class
Jitter Types Class	SJ RJ and related jitter components class
Frequency Range Class	High speed serial jitter band class
Calibration	Module level jitter calibration class
Export Classification Class	Commercial BERT accessory class
Related Instruments	MU181020 / MU183020 / MU195020 PPG families
Warmup Class	Per host recommendation
Status Reporting	Host status system class
Connector Class	High speed clock data paths class
Control Software Class	MX183000A family class
Slot Width Class	Single module class
Amplitude Control Class	Jitter amplitude setting class
Modulation Bandwidth Class	Jitter frequency setting class
Use Case	Jitter tolerance and stressed eye
Form Factor Height Class	Mainframe module class Notes From Anritsu MU181800B jitter modulation source module listings in MP1900A support documentation. Confirm exact jitter bandwidth and amplitude on the module datasheet.

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	Jitter modulation source module
Series Family	MU181800B
Host Platform Class	Anritsu Signal Quality AnalyzerRclass
Form Factor	Plug in module
Primary Function	Apply jitter modulation to serial stimuli
Remote Control	Via host GPIB LAN
Power	Supplied by host
Operating Temperature Class	Host laboratory range class
Jitter Types Class	SJ RJ and related jitter components class
Frequency Range Class	High speed serial jitter band class
Calibration	Module level jitter calibration class
Export Classification Class	Commercial BERT accessory class
Related Instruments	MU181020 / MU183020 / MU195020 PPG families
Warmup Class	Per host recommendation
Status Reporting	Host status system class
Connector Class	High speed clock data paths class
Control Software Class	MX183000A family class
Slot Width Class	Single module class
Amplitude Control Class	Jitter amplitude setting class
Modulation Bandwidth Class	Jitter frequency setting class
Use Case	Jitter tolerance and stressed eye
Form Factor Height Class	Mainframe module class

Notes
From Anritsu MU181800B jitter modulation source module listings in MP1900A support documentation. Confirm exact jitter bandwidth and amplitude on the module 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
788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
https://aumictechlabs.com

NIST-traceable calibration · SAM registered · 30-day returns
NAICS 423690 · 811210 · 541380
Generated August 14, 2026