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Data Sheet

August 14, 2026

ANRITSU

Anritsu MU183040B High Sensitivity ED Module: 28G/32G bit/s

Anritsu MU183040B 28G/32G bit/s High Sensitivity ED Module The Anritsu MU183040B is a 28G/32G high-sensitivity error detector module for multi-channel BERT systems alongside MU183020A PPG modules. OEM 28/32G multi-channel literature identifies MU183040B as the high-sensitivity ED variant for low-amplitude serial-link BER measurements. High-sensitivity 28/32G BER testing, multi-channel receiver validation, and paired PPG/ED characterization. Multi channel BERT architectureKconnector input class The Anritsu MU183040B is a 28G/32G high-sensitivity error detector module for multi-channel BERT systems alongside MU183020A PPG modules. OEM 28/32G multi-channel literature identifies MU183040B as the high-sensitivity ED variant for low-amplitude serial-link BER measurements. High-sensitivity 28/32G BER testing, multi-channel receiver validation, and paired PPG/ED characterization. Multi channel BERT architectureKconnector input class Instrument Type: High sensitivity error detector module



MODEL

**Anritsu
MU183040B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

MU183040B

LISTING

<https://aumictechlabs.com/products/mu183040b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MU183040B is a high-sensitivity Error Detector (ED) module engineered for 28 Gbit/s and 32 Gbit/s signal analysis on the MP1800A Signal Quality Analyzer platform. Built for optical communications and high-speed digital interfaces requiring enhanced signal integrity, this module delivers receiver sensitivity and the fastest auto-adjust capability for threshold and phase optimization across multiple channels. Technical Specifications Bit-Rate Range: 2.4 Gbit/s to 28.1 Gbit/s (standard); 2.4 Gbit/s to 32.1 Gbit/s with Option-x01 Channel Configuration: 1, 2, or 4-channel modes with simultaneous multichannel measurement support Receiver Sensitivity: 10 mV typical (single-ended, EYE Height) Auto Adjust: Simultaneous optimization of BER voltage threshold and phase for up to 8 channels in under 1 second Clock Recovery: Optional internal clock recovery module supports jitter tolerance testing for PHY devices with independent Tx/Rx clocks; required for Multi-Mode Fiber (MMF) measurements Data Input: Accepts low-amplitude signals with constricted eye openings; compensates for transmission media losses in PCB traces, copper cables, and Active Optical Cables Key Features BER measurements up to 32.1 Gbit/s with extrapolation capability for low bit error rates ($1E-12$, $1E-15$) Processes degraded signals from backplanes, cables, and optical transmission media Synchronized multi-channel operation for crosstalk and skew tolerance evaluation Plug-in compatibility with MP1800A platform modules including PPG sources, jitter modulation sources, and emphasis filters Typical Applications 100 GbE backplanes and cable systems SERDES and CDR devices (CEI-25 G, CEI-28 G-VSR standards) Active Optical Cable (AOC) validation (InfiniBand EDR) Optical transceiver modules (CFP/CFP2/CFP4, QSFP+, 32 G Fibre Channel, OTU4) TOSA/ROSA and Silicon Photonics device characterization Modulator evaluation (EA, EML) Jitter tolerance testing Compatibility & Integration Designed as a dedicated module for the MP1800A Signal Quality Analyzer platform with full interoperability across the Anritsu MP1800A ecosystem.

MU183040B Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	High sensitivity error detector module
Bit Rate Class	28.1 Gbit/s standard with 32.1 Gbit/s extension class
Series Family	MU183040B
Form Factor	Plug in ED module
Channel Count Class	1 or 2 class
Input Connector Class	K connector 50 ohm class
Sensitivity Class	High sensitivity ED variant class
Pattern Support Class	PRBS and programmable patterns class
Host Platform Class	Anritsu signal quality analyzer mainframe
Remote Control	Via host GPIB LAN
Power	Supplied by host
Operating Temperature Class	Host laboratory range class
Clock Recovery Class	Supported class
Equalization Class	CTLE options class
Error Counting	Bit error rate counters
Burst Measurement Class	Supported with aux controls class
Warmup Class	Per host recommendation
Calibration	Module level ED calibration class
Export Classification Class	Commercial BERT module class
Related PPG	MU183020A / MU183021A
Related 4ch ED	MU183041B family
Jitter Tolerance Class	Host jitter options class
Operating temperature	Class: Host laboratory range class

MU183040B Specifications

PARAMETER	VALUE
Applications	High-sensitivity 28/32G BER testing, multi-channel receiver validation, and paired PPG/ED characterization.
Key Features	28G/32G high sensitivity ED
Technical Specifications	Instrument Type: High sensitivity error detector module
Notes	From Anritsu MU183040A/MU183040B 28/32G High Sensitivity ED family leaflet and module naming tables.

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
Clock Recovery Class	Supported class
Equalization Class	CTLE options class
Error Counting	Bit error rate counters
Burst Measurement Class	Supported with aux controls class
Warmup Class	Per host recommendation
Calibration	Module level ED calibration class
Export Classification Class	Commercial BERT module class
Related PPG	MU183020A / MU183021A
Related 4ch ED	MU183041B family
Jitter Tolerance Class	Host jitter options class Notes From Anritsu MU183040A/MU183040B 28/32G High Sensitivity ED family leaflet and module naming tables.

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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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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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.