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Data Sheet

August 15, 2026

ANRITSU

Anritsu MN924A Optical Attenuator

Anritsu MN924A Variable Optical Attenuator The Anritsu MN924A is a single-mode variable optical attenuator. OEM listings specify 1300/1550 nm operation, maximum attenuation 65 dB using combined step and continuous dials, single-mode fiber, and FC connectors, with insertion loss about 3.5 dB class. Manual optical power leveling for SM fiber telecom laboratory tests at 1310/1550 nm. Instrument Type: variable optical attenuator The Anritsu MN924A is a single-mode variable optical attenuator. OEM listings specify 1300/1550 nm operation, maximum attenuation 65 dB using combined step and continuous dials, single-mode fiber, and FC connectors, with insertion loss about 3.5 dB class. Manual optical power leveling for SM fiber telecom laboratory tests at 1310/1550 nm. Instrument Type: variable optical attenuator Control: step variable plus continuous dial



MODEL

Anritsu MN924A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MN924A

LISTING

<https://aumictechlabs.com/products/mn924a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MN924A is a precision optical attenuator designed for single-mode fiber applications requiring accurate signal level management across standard telecommunications wavelengths. It combines step and continuous attenuation control in a compact benchtop form factor, delivering up to 65 dB of attenuation with minimal insertion loss and excellent return loss performance.

Technical Specifications Model: Anritsu MN924A Fiber Type: Single-mode optical fiber

Wavelengths: 1.3 μm and 1.55 μm (1300 nm / 1550 nm) Maximum Attenuation: 65 dB Attenuation Control: Step attenuator (10 dB increments: 0, 10, 20, 30, 40, 50, 60 dB) + continuously variable attenuator (0 to 15 dB in 0.5 dB steps) Step Attenuation Accuracy: ± 1.0 dB (10–20 dB), ± 2.0 dB (30–50 dB), ± 3.0 dB (≥ 50 dB) Variable Attenuation Accuracy: ± 1.0 dB (0–10 dB), ± 2.0 dB (0–15 dB) Insertion Loss: ≤ 3.5 dB Return Loss: ≥ 10 dB (FC type connector) Input-to-Output Crosstalk: ≥ 70 dB (minimum position) Optical Connector: FC type Dimensions: 88 mm (H) $\times$ 120 mm (W) $\times$ 172 mm (D) Weight: < 2.5 kg Key Features Dual attenuation architecture provides coarse (step) and fine (continuous) control for flexible signal conditioning Low insertion loss maintains optical signal quality across the C and L bands High crosstalk isolation ensures clean, undegraded optical paths FC connectors with standard configuration; Super PC-type connectors available on MN9605A variant for enhanced return loss performance Typical Applications Fiber optic communication system characterization and testing Optical power level calibration and verification Signal attenuation in single-mode fiber networks operating at 1.3 μm or 1.55 μm Compatibility & Integration The MN924A operates exclusively with single-mode optical fibers and is configured for the 1.3 μm and 1.55 μm telecommunications windows.

Features & description

From manufacturer datasheet

Polarization Dependence Class: low for SM VOA

Repeatability Class: dial detent repeatability Dimensions Class: compact benchtop Mass Class: handheld to benchtop Series Family: Anritsu MN9xx optical attenuators Calibration Wavelengths: 1.3 um and 1.55 um Notes Wavelength, 65 dB max attenuation, SM fiber, and FC connector from Anritsu MN924A OEM/TechEyes listings; IL about 3.5 dB from published summaries.

MN924A Characteristics / Specifications

PARAMETER	VALUE
Model	MN924A
Instrument Type	variable optical attenuator
Fiber Type	single mode
Wavelengths	1300 nm and 1550 nm
Maximum Attenuation	65 dB
Control	step variable plus continuous dial
Connector Type	FC
Insertion Loss Class	about 3.5 dB
Form Factor	benchtop manual attenuator
Manufacturer	Anritsu
Use Case	SM optical power leveling
Attenuation Resolution Class	fine continuous dial
Return Loss Class	SM connector dependent
Operating Temperature Class	0 C to 40 C
Storage Temperature Class	minus 20 C to 60 C class
Maximum Input Power Class	per unit label
Polarization Dependence Class	low for SM VOA
Repeatability Class	dial detent repeatability
Dimensions Class	compact benchtop
Mass Class	handheld to benchtop
Series Family	Anritsu MN9xx optical attenuators
Calibration Wavelengths	1.3 um and 1.55 um
Attenuation	65 dB
Storage temperature	Class: minus 20 C to 60 C class
Operating temperature	Class: 0 C to 40 C

PARAMETER	VALUE
Return loss	Class: SM connector dependent

MN924A Specifications

PARAMETER	VALUE
Anritsu MN924A Variable Optical Attenuator	Overview
Applications	Manual optical power leveling for SM fiber telecom laboratory tests at 1310/1550 nm.
Single mode fiber path	1300 and 1550 nm wavelengths
Technical Specifications	Model: MN924A

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Storage temperature	Class: minus 20 C to 60 C class
Operating temperature	Class: 0 C to 40 C
Operating Temperature	Class: 0 C to 40 C
Operating Temperature Class	0 C to 40 C
Storage Temperature Class	minus 20 C to 60 C class
Maximum Input Power Class	per unit label
Polarization Dependence Class	low for SM VOA
Repeatability Class	dial detent repeatability
Dimensions Class	compact benchtop
Mass Class	handheld to benchtop
Series Family	Anritsu MN9xx optical attenuators
Calibration Wavelengths	1.3 um and 1.55 um Notes Wavelength, 65 dB max attenuation, SM fiber, and FC connector from Anritsu MN924A OEM/TechEyes listings; IL about 3.5 dB from published summaries.

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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Wavelengths	1300 nm and 1550 nm
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Calibration Wavelengths	1.3 um and 1.55 um
Notes	
Wavelength, 65 dB max attenuation, SM fiber, and FC connector from Anritsu MN924A OEM/TechEyes listings; IL about 3.5 dB from published summaries.	

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.