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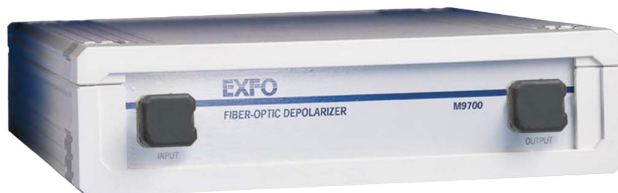
Data Sheet

August 2, 2026

EXFO

Exfo M9734-EA Fiber Optic Depolarizer

The M9734EA provides a passive fiber optic depolarizer from the Exfo M9700 family, designed to reduce degree of polarization (DOP) on singlemode signals in the C/L band for polarization-sensitive measurements and test setups. Polarization sensitivity testing of optical components; reducing DOP for OSNR and spectral measurements; IQ-200 modular test platform integration; stand-alone depolarization on SMF-28 links in the 1520 to 1620 nm window. Connector Code: EA (APC connector family) Form Factor: Stand-alone or IQ-200 module Install on singlemode fiber within specified wavelength band. Allow signal to pass through depolarizer before polarization-sensitive instrumentation. No warm-up or calibration required for passive operation. Confirm connector type (EA = APC family) matches link hardware. Residual DOP and IL are typical values—verify on unit datasheet for certified figures. Alias M9734EA / M9734.



MODEL

Exfo M9734-EA

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

M9734-EA

LISTING

<https://aumictechlabs.com/products/m9734-ea-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Exfo M9734-EA is a passive fiber optic depolarizer designed to reduce the degree of polarization (DOP) of light signals in fiber optic systems. By randomizing incoming polarization states, it minimizes polarization-dependent loss (PDL) and improves signal integrity and measurement repeatability - critical for coherent optical communications, fiber optic sensing, and optical component characterization where polarization-dependent effects compromise accuracy.

and system performance. Technical Specifications Operating Wavelength: 1520 nm to 1620 nm
Fiber Type: SMF-28 Typical Insertion Loss: 3 dB Typical Degree of Polarization (DOP): 10% to 15%
(measured at 1550 nm with EXFO IQ-2600 Tunable Laser Source) Typical Polarization Dependent
Loss (PDL): 0.1 dB Key Features Passive optical design using single-mode optical fibers Effective
depolarization for low- and medium-coherence sources including Fabry-Perot laser diodes, DFB
lasers, and EXFO IQ-2600 and FLS-2600 tunable laser families Multiple connector options:
APC/DIN 47256, APC/FC narrow key, APC/SC, APC/E-2000, and UPC/DIN 47256 Integrates as a
one-slot module in EXFO IQ-200 Optical Test System Typical Applications Optical power and
spectral measurements where polarization sensitivity affects accuracy High-speed coherent
communication systems requiring PDL mitigation Fiber optic sensor systems vulnerable to
polarization variations Passive and active component characterization (amplifiers, WDM devices)
with consistent input polarization conditioning Compatibility & Integration The M9734-EA operates
with high-power LEDs (SLDs), Fabry-Perot laser diodes, DFB lasers, and EXFO's IQ-2600 and
FLS-2600 tunable laser source families. Standard single-mode fiber connectivity enables field
integration across test benches and automated optical test systems.

Features & description

From manufacturer datasheet

Features

- Passive fiber depolarizer, no electrical power required
- C/L band operation, 1520 to 1620 nm
- SMF-28 compatible fiber
- Typical insertion loss approximately 3 dB
- Residual DOP approximately 10 to 15%
- Polarization-dependent loss approximately 0.1 dB
- EA suffix: APC connector code family (APC/DIN variants; EA prefix for APC)
- Stand-alone unit or IQ-200 module form

Polarization-Dependent Loss: approximately 0.1 dB

Connector Code: EA (APC connector family) Form Factor: Stand-alone or IQ-200 module Standard Operating Conditions Install on singlemode fiber within specified wavelength band. Allow signal to pass through depolarizer before polarization-sensitive instrumentation. No warm-up or calibration required for passive operation. Operational Notes Confirm connector type (EA = APC family) matches link hardware. Residual DOP and IL are typical values—verify on unit datasheet for certified figures. Alias M9734EA / M9734.

M9734EA Characteristics / Specifications

PARAMETER	VALUE
Model	M9734-EA (M9734EA / M9734)
Manufacturer	Exfo
Instrument Type	Passive Fiber Optic Depolarizer
Product Family	M9700
Wavelength Range	1520 to 1620 nm (C/L band)
Fiber Type	SMF-28 singlemode
Insertion Loss	approximately 3 dB typical
Degree of Polarization (Output)	approximately 10 to 15%
Connector Code	EA (APC connector family)
Form Factor	Stand-alone or IQ-200 module Standard Operating Conditions Install on singlemode fiber within specified wavelength band. Allow signal to pass through depolarizer before polarization-sensitive instrumentation. No warm-up or calibration required for passive operation.
EA suffix	APC connector code family (APC/DIN variants; EA prefix for APC)

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	M9734-EA (M9734EA / M9734)
Manufacturer	Exfo
Instrument Type	Passive Fiber Optic Depolarizer
Product Family	M9700
Wavelength Range	1520 to 1620 nm (C/L band)
Fiber Type	SMF-28 singlemode
Insertion Loss	approximately 3 dB typical
Degree of Polarization (Output)	approximately 10 to 15%

Polarization-Dependent Loss: approximately 0.1 dB

Connector Code: EA (APC connector family)

Form Factor: Stand-alone or IQ-200 module

Standard Operating Conditions

Install on singlemode fiber within specified wavelength band. Allow signal to pass through depolarizer before polarization-sensitive instrumentation. No warm-up or calibration required for passive operation.

Operational Notes

Confirm connector type (EA = APC family) matches link hardware. Residual DOP and IL are typical values—verify on unit datasheet for certified figures. Alias M9734EA / M9734.

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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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.