

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

ILX LIGHTWAVE

ILX Lightwave FOA-79722 – Variable Fiber Optic Attenuator Module

ILX Lightwave Optical Attenuators. Accuracy: ** Precision attenuation adjustment with manufactu.



MODEL

**ILX Lightwave
FOA-79722**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

FOA-79722

LISTING

[https://aumictechlabs.c
om/products/foa-79722
-2/](https://aumictechlabs.com/products/foa-79722-2/)

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ILX Lightwave FOA-79722 is a variable fiber optic attenuator module that provides manual control of optical power levels in fiber optic systems. Designed for precise attenuation adjustment across standard telecommunications wavelengths, this module enables fine-tuning of optical signal strength to optimize performance in test and measurement applications requiring controlled signal conditioning. Technical Specifications Attenuation Range: 0 dB to 60 dB adjustable Wavelength Range: 1310 nm and 1550 nm standard telecommunications bands Fiber Type: Single-mode fiber compatible Insertion Loss: Minimal at 0 dB attenuation; device-dependent at other settings Return Loss: -40 dB to -60 dB or higher, with APC connector configurations providing superior performance Control Mechanism: Manual rotary adjustment via screw or dial interface Connectors: FC/PC, FC/APC, SC, and LC configurations supported Accuracy: Precision attenuation adjustment with manufacturer-specified tolerances Key Features Wide attenuation

range enables signal level optimization across diverse test scenarios Manual control architecture provides direct adjustment without external power or control electronics Single-mode fiber compatibility supports long-haul and high-bandwidth system testing Low insertion loss maintains signal integrity at minimum attenuation settings High return loss specifications minimize reflections and back-coupling into optical sources Compact module design facilitates integration into test systems and rack configurations Typical Applications Optical power level control in fiber optic test setups Signal conditioning for optical component characterization Attenuation adjustment in telecommunications system validation Laboratory optical measurement applications requiring variable signal levels Compatibility & Integration Designed as an ILX Lightwave module for integration with compatible ILX Lightwave mainframe systems and optical test equipment platforms. Modular architecture permits installation into larger test configurations.

FOA79722 Characteristics / Specifications

PARAMETER	VALUE
Model	FOA-79722
Instrument Type	variable optical attenuator module
Brand	ILX Lightwave
Fiber Type	single mode
Control Interface	modular mainframe / GPIB class
Attenuation Range Class	greater than 60 dB class FOA family
Insertion Loss Class	low dB class FOA family
Wavelength Band Class	1310/1550 nm telecom
Form Factor	ILX plug in module
Repeatability Class	0.01 dB class FOA family
Resolution Class	0.01 dB class
Return Loss Class	high RL SM class
Maximum Input Power Class	per FOA module label
Operating Temperature Class	0 C to 40 C
Series Family	ILX FOA-79xxx
Manufacturer	ILX Lightwave
Use Case	automated optical attenuation
PdI Class	low PDL SM design
Settling Time Class	fast VOA settling
Connector Class	FC PC or diamond options
Host Mainframe	ILX modular controller
Calibration	wavelength dependent cal tables
Attenuation	Range Class: greater than 60 dB class FOA family
Operating temperature	Class: 0 C to 40 C
Return loss	Class: high RL SM class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: 0 C to 40 C
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Calibration	wavelength dependent cal tables Notes Module identity from ILX FOA-79722 listings; attenuation/IL/resolution classes from ILX FOA-79xxx family OEM sheets. Unit-specific max power is on the module label.

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