

PASSIVE COMPONENTS

1610nm Polarization-Independent Optical Isolator

Polarization-independent isolator for the 1610 nm monitoring and U-band region.



Key Features

- Centered at 1610 nm for monitoring and U-band use
- Isolation ≥ 25 dB
- Insertion loss ≤ 0.8 dB
- Polarization independent

Applications

- OTDR and monitoring source protection
- Out-of-band supervisory channels
- U-band experimental systems
- Test equipment front ends

Overview

An isolator centered at 1610 nm, above the conventional traffic bands, where OTDR and monitoring equipment operates. It gives that equipment the same back-reflection protection a transmit laser gets, without disturbing service wavelengths.

Isolation is 25 dB or better with insertion loss within 0.8 dB, over a +15 nm bandwidth, and it is polarization independent.

Specifications

Optical Performance

PARAMETER	VALUE	UNIT	CONDITIONS
Operating Wavelength	1610	nm	Bandwidth +15 nm
Isolation	≥ 25	dB	
Insertion Loss	≤ 0.8	dB	

Order or request a quote

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Datasheet issued 2026-09-06

Rev. controlled document

Specifications are subject to change without notice and do not constitute a warranty. Confirm all parameters with Lightwit Photonics sales before ordering.