

MINI POLARIZATION INSENSITIVE FIBER ISOLATOR (DUAL STAGE)

Mini OIDS Series

Features

- Super Compact Size
- Low Insertion Loss
- High Isolation
- Low PMD
- High Power Handling
- Highly Stable & Reliable
- Epoxy-Free Optical Path
- 80 μ m Fiber Pigtail Option

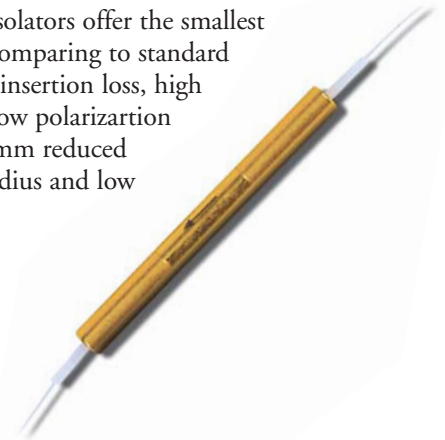
Applications

- EDFA & Raman Amplifiers
- Fiberoptic Instruments
- Fiberoptic Network links
- Transmitters and Fiber Lasers

Mini Polarization Insensitive Fiber Isolator (Dual Stage)

Oplink's state of the art, mini polarization-insensitive isolators offer the smallest package size, 3.0x25mm, which saves 60% real estate comparing to standard isolators, with excellent performance such as super low insertion loss, high isolation, low polarization dependent loss (PDL), and low polarization mode dispersion. It also has a package option with 80mm reduced cladding fiber pigtail, which results in small bending radius and low bending losses.

Oplink mini isolator can sustain high optical power due to its optical path epoxy-free packaging. It is qualified to Telcordia GR-1221 standards.



Performance Specifications

Mini OIDS Series	Specifications	Units
Operating Wavelength Range	1310 \pm 20	nm
	1480 \pm 20	
	1528 ~ 1564	
	or 1570 ~ 1605	
Insertion Loss Max. (over operating wavelength range, 0~70°C, all SOP)	0.50	dB
Isolation Min. (over operating wavelength range, 0~70°C, all SOP)	40	dB
Wavelength Dependent Loss Max.	0.15	dB
Return Loss (Input / Output) Min.	55/50	dB
Polarization Dependent Loss (PDL) Max.	0.10	dB
Polarization Mode Dispersion (PMD) Max.	0.05	ps
Maximum Power Handling	2	W
Operating Temperature	0 to +70	°C
Storage Temperature	-40 to +85	°C
Fiber Type	SMF-28, 250 μ m Bare Fiber PureMode RC SMF-28 80 μ m	
Package Dimension	P3: (ϕ)3.0 x (L)25	mm

Values are referenced without connector loss.

*The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.

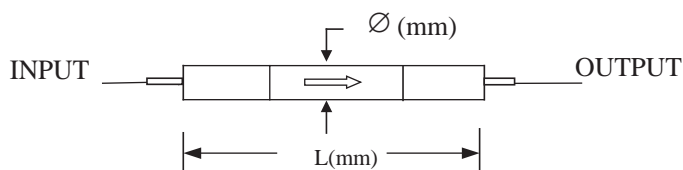
Oplink Fiber Optic Product Lines

- Amplifier Components
- Amplifier Modules
- DWDMs
- Switching/Routing/
- Monitoring/ Conditioning
- Transmission
- RGB Laser Modules



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Mechanical Footprint Dimension (unit: mm)



Ordering Information

Oplink can provide a remarkable range of customized optical solutions. For detail, please contact Oplink's OEM design team or account manager for your requirements and ordering information (510) 933-7200.

