Polarization Insensitive Fiber Isolator (Dual Stage)

OIDS Series

Features

- Wide Operating Wavelength And Temperature Range
- Low Insertion Loss
- High Isolation
- Ultra Low PDL & PMD
- Highly Stable & Reliable
- Epoxy-Free Optical Path

Applications

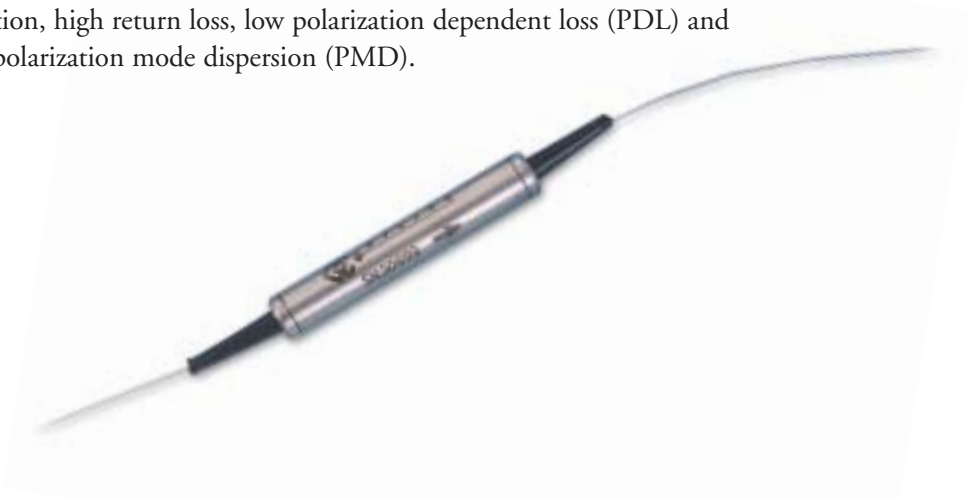
- Fiberoptic Amplifiers
- CATV Fiberoptic Links
- WDM Systems
- Fiberoptic Instruments
- Transmitters and Fiber Lasers
- Laboratory R&D

Oplink Fiber Optic Product Lines

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

Polarization Insensitive Fiber Isolator (Dual Stage)

Oplink's OIDS is a dual stage optical isolator that minimizes back reflection and back scattering in the reverse direction for any state of polarization. The OIDS is a low cost model with excellent performance such as low insertion loss, high isolation, high return loss, low polarization dependent loss (PDL) and low polarization mode dispersion (PMD).



Performance Specifications

OIDS Series	P Grade	A Grade	Unit
Operating Wavelength range	1310 ± 15		nm
	1480 ± 15		nm
	C band: 1528 ~ 1564		nm
	L band: 1570 ~ 1605		nm
Isolation (Min.) (over wavelength range, 23°C, all SOP)	45	43	dB
Isolation (Min.) (over wavelength range, 0~70°C, all SOP)	34	32	dB
Insertion Loss (Max.) (over the Operating wavelength range, at 0 to +70°C, all SOP)	0.8	0.9	dB
WDL(Max.)	0.25	0.3	dB
Return Loss(Min.) (input/output Ports)	60/55	60/55	dB
PDL(Max.)	0.1	0.15	dB
PMD(Max.)	0.05	0.05	ps
Maximum Power Handling	500		mW
Operation Temperature	0 to +70		°C
Storage Temperature	-40 to +85		°C
Package Dimension*	P1:(ø)5.5 x (L)34		mm

Values are referenced without connector loss

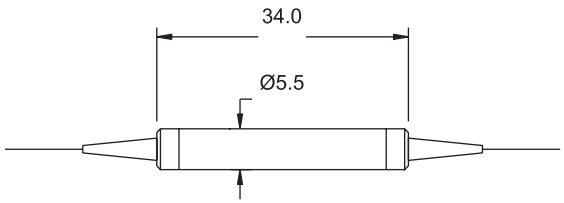
** The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.*

OPLINK COMMUNICATIONS

Polarization Insensitive Fiber Isolator

(Dual Stage)

Package Dimensions:



Unit: mm

Ordering Information

Oplink custom designs and manufactures high performance fiber optic networking components and integrated optical modules. Oplink can provide a remarkable range of customized optical solutions to meet your specific design needs. By combining our technical expertise with our extensive micro-optic manufacturing and packaging capability, your your volume requirements for components and customized integrated products can be met. We are happy to discuss your requirements. Please contact Oplink's OEM Design Team or Sales Representative for ordering and price information (510) 933-7200.

OIDS □ □ □ □ □ 0 0 1 □ □ □

Wavelength
1310 nm=1310
1480 nm=1480
1550 nm=1550
1585 nm=1585

Grade
P Grade=P
A Grade=A

Package Type
P1=1

Fiber Type
250 µm SMF-28=1
900 µm tight buffer=5

Fiber Length
1 Meter=1*
1.5 Meters=5
2 Meters=2

Connector Type
None=1
FC/PC=2
FC/SPC=3
FC/APC=4
SC/PC=5
SC/SPC=6
SC/APC=7
ST=8
LC=9
MU=A

** 1 meter is standard. The lead time for special fiber length will be longer.*

OPLINK COMMUNICATIONS

46335 Landing Parkway Fremont, CA 94538 Tel: (510) 933-7200 Fax: (510) 933-7300 Email: Sales@Oplink.com