

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

POLARIZATION INSENSITIVE FIBER ISOLATOR

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

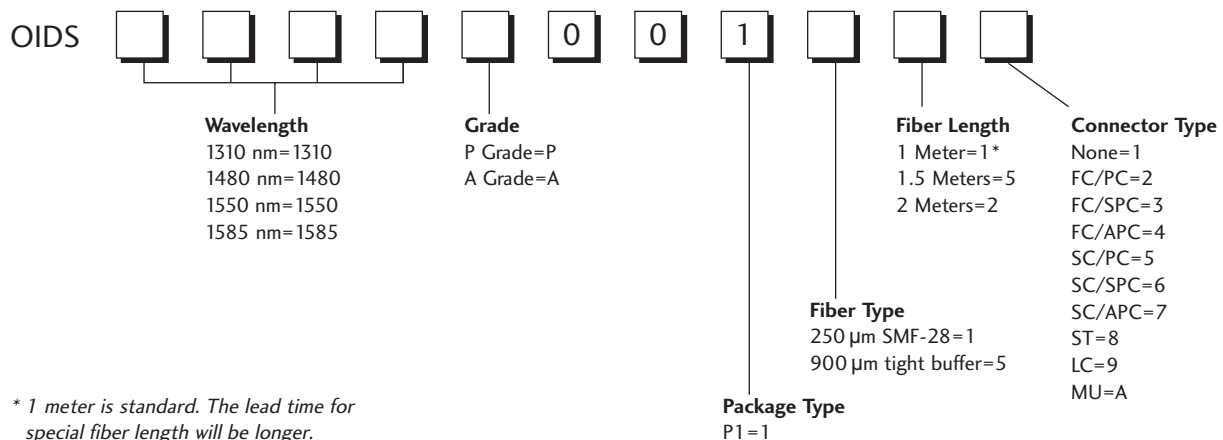
OIDS Series	P Grade	A Grade	Unit
Operating Wavelength range	1310 ± 15 1480 ± 15 C band: 1528 ~ 1564 L band: 1570 ~ 1605		nm nm nm nm
Isolation (Min.) (over wavelength range, 23°C, all SOP)	45	43	dB
Isolation (Min.) (over wavelength range, 0~70°C, all SOP)	34	32	dB
Insertion Loss (Max.) (over the Operating 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)	65/60	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

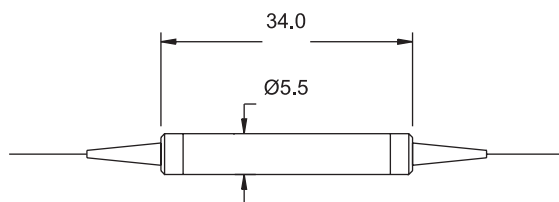
* The mechanical tolerance should be +/- 0.2 mm on all package dimensions unless otherwise custom specified.

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 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 (408) 965-7270.



Package Dimensions:



Unit: mm