

# Polarization Insensitive Fiber Isolator (Single Stage)

## OISS Series



### Features

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

### Applications

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

OPLINK's OISS is a single stage optical isolator that minimizes back reflection and back scattering in the reverse direction for any state of polarization. It is a low cost model with excellent performance including low insertion loss, high isolation, high return loss, low polarization dependent loss(PDL) and low polarization mode dispersion(PMD). Its excellent characteristics make it highly suitable for laboratory and field applications.

### Performance Specifications

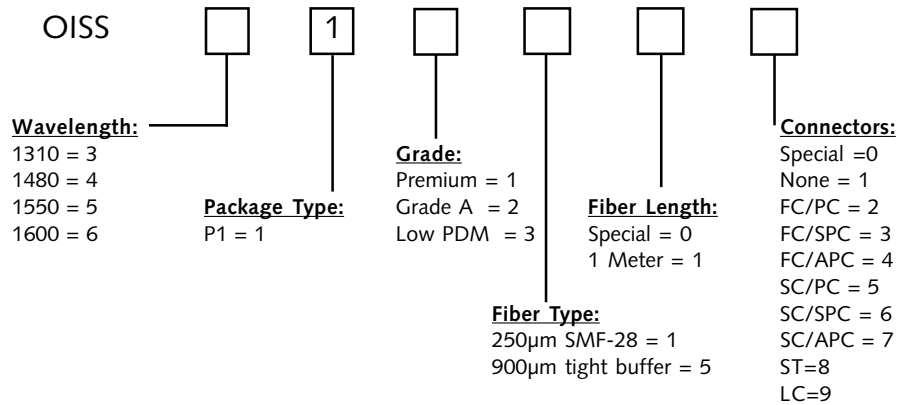
OISS Series	Premium	GradeA
Operating Wavelength (nm)	1310, 1480, 1550, 1600	
Peak Isolation Typical (dB)	≥ 42	≥ 41
Isolation (dB) (over the center wavelength ± 15 nm and at 23°C, all SOP)	≥ 32	≥ 31
Insertion Loss Typical (dB) (over the center wavelength ± 15 nm and at 23°C, All SOP )	0.3	0.4
Insertion Loss (dB) (over the center wavelength ± 15 nm and 0 to +70°C, all SOP)	≤ 0.5	≤ 0.6
Return Loss (dB) (input/output ports)	≥ 65/60	≥ 60/55
Polarization Dependent Loss (PDL) (dB)	≤ 0.05	≤ 0.1
Polarization Mode Dispersion (PMD) (ps)*	≤ 0.25	
Maximum Power Handling (mW)	300	
Maximum Tensile Load (N)	5	
Operating Temperature (°C)	0 to + 70	
Storage Temperature (°C)	- 40 to + 85	
Package Dimension (mm)	P1: (φ) 5.5 x (L) 34	

Values are referenced without connector loss

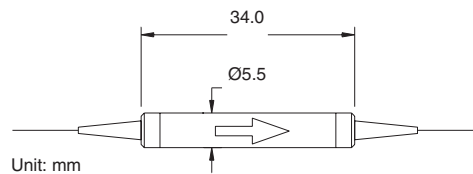
\* Optional PMD < 0.05 ps models are also available

## Ordering Information

Standard Oplink OISS are specified below with appropriate part number options. If you require devices different than these standard devices, please contact our local Oplink Distributor, Sales Representative, or Factory Customer Service for ordering and price information.

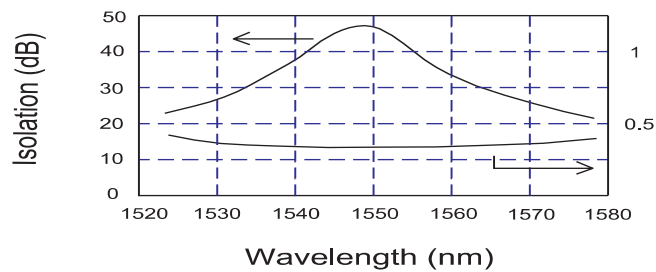
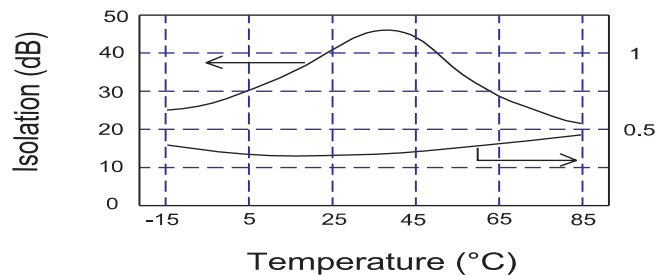


## Package Dimensions:



## Optical Performance:

### SINGLE STAGE



OPLINK Communications, Inc. 3475 North First St. San Jose, CA 95134-1803

Tel: (408) 433-0606 Fax: (408) 433-0608 Email: Sales@Oplink.com



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