

WDM/Isolator Hybrid

WDIH-54 Series 1480/1550 nm



Features

- Wide Operating Wavelength Range
- Compact Size
- 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's WDIH is a combination of a 1480/1550nm filter and a 1550nm polarization insensitive optical isolator. 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). It offers integrated solutions to EDFA applications by combining more functions into a very compact package.

Performance Specifications

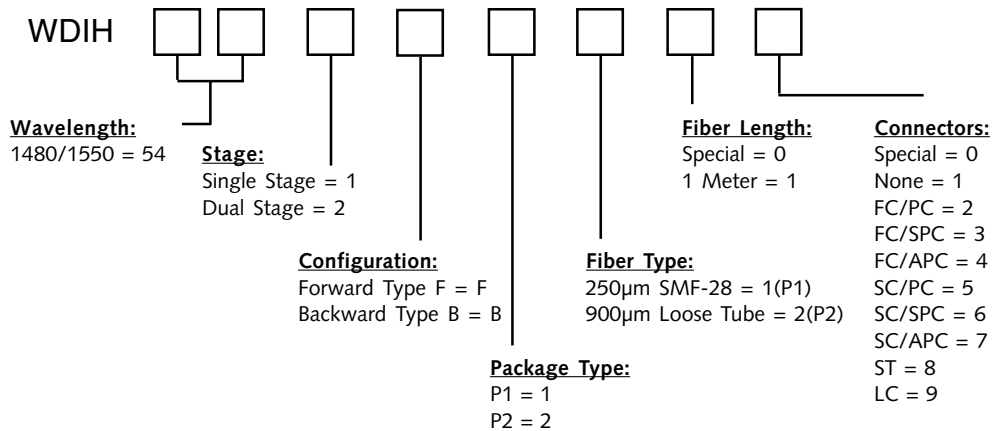
WDIH-54 Series (Type F and Type B) *	Single Stage	Dual Stage
Signal Channel Wavelength Range (nm)	1530 - 1565	
Pump Channel Wavelength Range (nm)	1450 - 1493	
Insertion Loss (dB) (over all wavelength range, 0 to +70°C, all SOP)	Pump Channel	≤ 0.6
	Signal Channel	≤ 0.8
Insertion Loss Variation (dB) (over all wavelength range & all SOP)	Pump Channel	≤ 0.1
	Signal Channel	≤ 0.3
Channel Isolation (dB) (over wavelength 1535-1565nm & at 23°C, all SOP)		≥ 31
		≥ 45
Return Loss (dB)	55	
Polarization Dependent Loss (PDL) (dB)	≤ 0.1	≤ 0.2
Polarization Mode Dispersion (PMD) (ps)	≤ 0.25	≤ 0.05
Directivity (dB)	≥ 55	
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	
	P2: (φ)5.5 x (L)40	

Values are referenced without connector loss

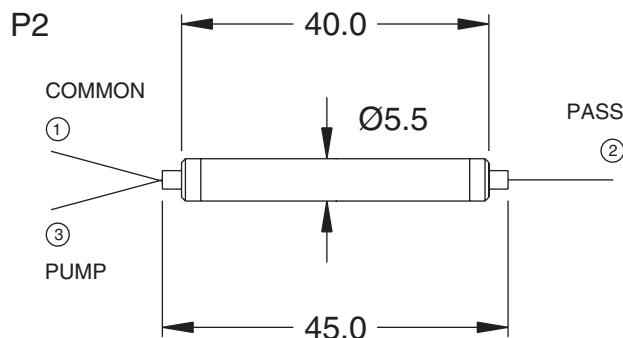
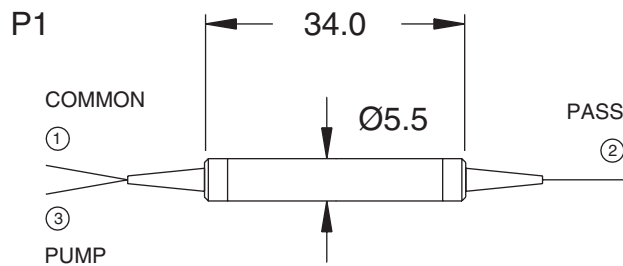
* Type F device, is designed for forward pump. Type B device, is backward pump type.

Ordering Information

Standard Oplink WDIH 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.

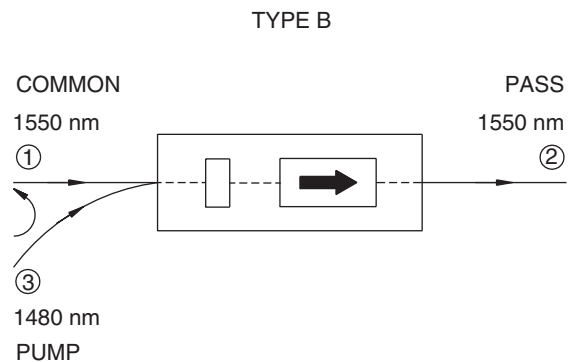
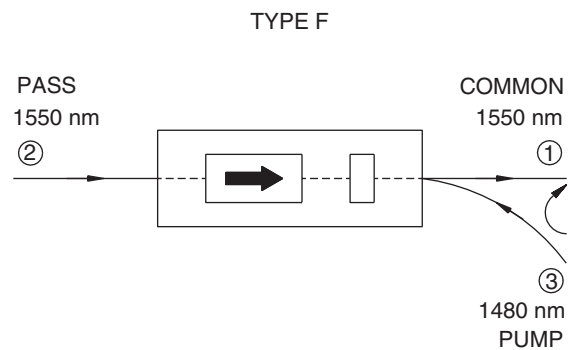


Package Dimensions:



Unit: mm

Configurations:



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