

## Isolator/Filter Wavelength Division Multiplexer Hybrid 1310/1550 or 1480/1550

### Features

All Fiber Construction  
High Reliability  
Outstanding Optical Performance

### Applications

Fiber Optical Test Equipment  
EDFA  
WDM Network  
Fiber Lasers

### Specifications

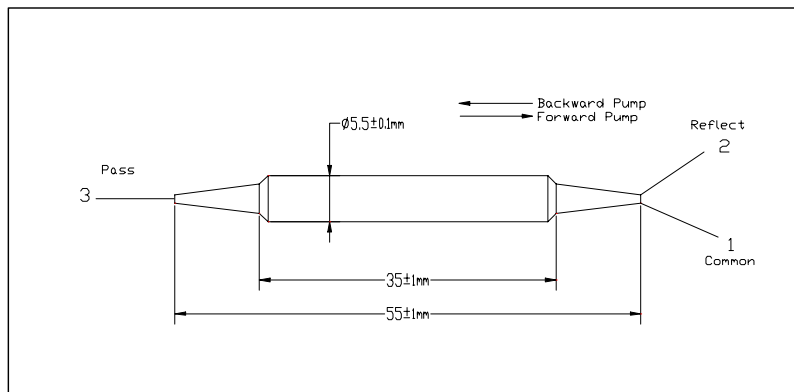
Parameters		Unit	Values	
Stage			Single Stage	Dual Stage
Pass Band	Wavelength Range	nm	1530-1580	
	Typ. Peak Isolation	dB	40	55
	Min. Isolation at 23°C (1550±15 for S. Stage, 1550±30 for D. Stage)	dB	30	45
	Max. Insertion Loss@C→P	dB	0.8	1.0
	Typ. Insertion Loss@C→P	dB	0.5	0.7
	Max. PDL	dB	0.1	0.15
	Max. PMD	ps	0.25 <sup>1</sup>	0.1
Reflection Band	Wavelength Range	nm	1270-1350 or 1450-1490	
	Typ. Insertion Loss@C→R	dB	0.3	
	Max. Insertion Loss@C→R	dB	0.5	
	Max. PDL	dB	0.1	
Min. Return Loss		dB	50	
Max. Thermal Stability		dB/°C	0.005	
Max. Optical Power (CW)		mW	500	
Max. Tensile Load		N	5	
Fiber Type			SMF-28e Fiber	
Operating Temperature		°C	-5 to +70	
Storage Temperature		°C	-40 to +85	

<sup>1</sup>PMD<0.1ps is available. Please refer to below ordering information.

\*Above specifications are for device without connector.

\*For devices with connectors, IL will be 0.3dB higher and RL will be 5dB lower.

### Package Dimensions



### Ordering Information

**AIWDM-①①-②③-④⑤⑤⑤-⑥⑥⑥-⑦**

①①: Wavelength

31 - 1530-1580nm Pass/1270-1350nm Reflect

48 - 1530-1580nm Pass/1450-1490nm Reflect

②: Stage

S - Single Stage

D - Dual Stage

③: Pump Type

F - Forward Pump

B - Backward Pump

④: PMD

1 - 0.1ps Max.

2 - Refer to above spec.

⑤⑤⑤: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

⑥⑥⑥: Fiber Jacket on Port

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

⑦: Fiber Length

1 - 1.0m

S - Specify