

# Optizone 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

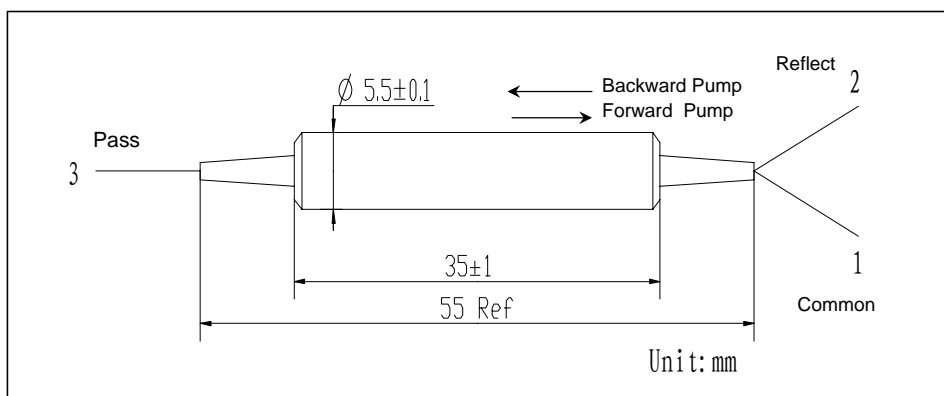
Parameters		Unit	Values	
Stage			Single Stage	Dual Stage
Pass Band	Wavelength Range	nm	1530-1580	
	Typ. Peak Isolation	dB	40	55
	Min. Isolation at 23°C (1550±15 for S.Stage,1550±30 for D.Stage)	dB	30	45
	Max. Insertion Loss@C→P	dB	0.8	1.0
	Typ. Insertion Loss@C→P	dB	0.5	0.7
	Max. PDL	dB	0.1	0.15
	Max. PMD	ps	0.25	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	

\*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

IWDM-①①①①-②-③-④-⑤⑤⑤-⑥⑥⑥-⑦

①①①①: Pass & reflect Wavelength  
 5531 - 1530-1580nm Pass/1270-1350nm Reflect  
 5548 - 1530-1580nm Pass/1450-1490nm Reflect

④: PMD  
 1 - 0.1ps Max.  
 2 - Refer to above spec.

⑥⑥⑥: Fiber Jacket on Port 1, 2 & 3  
 B - 250um Bare Fiber  
 L - 900um Loose Tube  
 S - Specify

②: Stage  
 S - Single Stage  
 D - Dual Stage

⑤⑤⑤: Connector Type on Port 1, 2 & 3  
 1 - FC/UPC  
 2 - FC/APC  
 3 - SC/UPC  
 4 - SC/APC

⑦: Fiber Length  
 1 - 1.0m  
 S - Specify

③: Pump Type  
 F - Forward Pump  
 B - Backward Pump

N - None  
 S - Specify