

# High Power Filter Wavelength Division Multiplexer



## Features

Low Insertion Loss  
 Low Polarization Dependence  
 High Isolation  
 Excellent Environmental Stability

## Applications

EDFAs  
 Raman Amplifier  
 WDM Networks  
 Fiber Optics Instrumentation

## Specifications

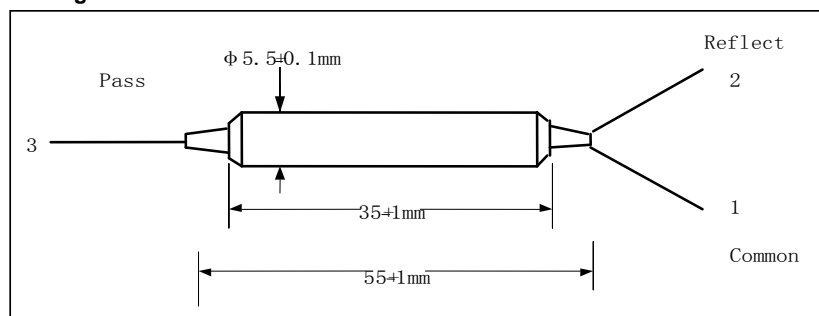
Parameters		Unit	Values			
Pass Band	Wavelength Range	nm	1270-1350 (1530-1600)	1450-1490 (1530-1580)	1500-1520 (1530-1570)	950-1010 (1500-1600)
	Typ. Insertion Loss	dB	0.4	0.4	0.5	0.5
	Max. Insertion Loss	dB	0.6	0.6	0.7	0.7
	Typ. Isolation	dB	35	30	35	35
	Min. Isolation at 23°C	dB	30	25	30	30
Reflection Band	Wavelength Range	nm	1530-1600 (1270-1350)	1530-1580 (1450-1490)	1530-1570 (1500-1520)	1500-1600 (950-1010)
	Typ. Insertion Loss	dB	0.3			
	Max. Insertion Loss	dB	0.5			
	Typ. Isolation	dB	15			
	Min. Isolation at 23°C	dB	12			
Min. Optical Return Loss		dB	50			
Max. PDL		dB	0.1			
Typ. PDL		dB	0.05			
Thermal Stability		dB/°C	≤0.005			
Max. Optical Power (CW)		W	1			
Max. Tensile Load		N	5			
Fiber Type			SMF-28e Fiber	SMF-28e Fiber	SMF-28e Fiber	HI 1060 Fiber for Pump Channel (Two Ports)
Operating Temperature		°C	-5 to +70			
Storage Temperature		°C	-40 to +85			

\*Above specifications are for device without connector.

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

\*SMF-28e Fiber is used for 1550nm interface and HI 1060 Fiber is used for 980nm channel.

## Package Dimensions



## Ordering Information

**FWDM-①①①①-②②②-③③③-④**

①①①①: Wavelength

3155 - 1310nm Pass / 1550nm Reflect

5531 - 1550nm Pass / 1310nm Reflect

4855 - 1480nm Pass / 1550nm Reflect

5548 - 1550nm Pass / 1480nm Reflect

5155 - 1510nm Pass / 1550nm Reflect

5551 - 1550nm Pass / 1510nm Reflect

9855 - 980nm Pass / 1550nm Reflect

5598 - 1550nm Pass / 980nm Reflect

②②②: Connector Type on Port 1, 2 & 3

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③③③: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

④: Fiber Length

1 - 1.0m

S - Specify