

# Polarization Maintaining Filter Wavelength Division Multiplexers

## Features

Low Insertion Loss  
High Return Loss  
High Isolation

## Applications

Fiber Optic Instruments  
Raman Amplifiers  
EDFAs  
Fiber Sensors

## Specifications

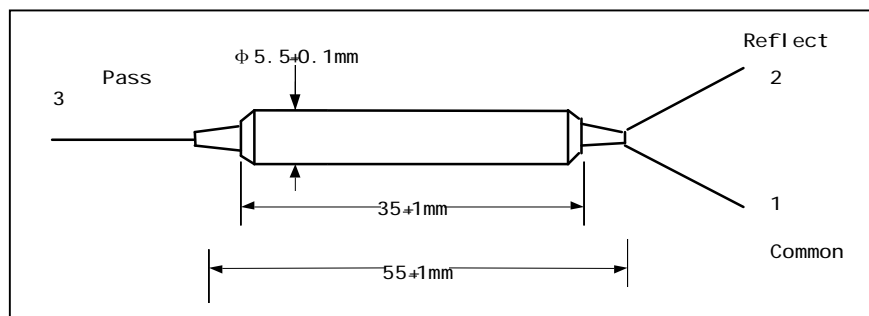
Parameters		Unit	Values		
Pass Band	Wavelength Range	nm	1270-1350(1530-1600)	1450-1490(1530-1600)	1500-1520(1530-1570)
	Typ. Insertion Loss	dB	0.4	0.4	0.5
	Max. Insertion Loss	dB	0.6	0.6	0.7
	Typ. Isolation	dB	30	30	30
	Min. Isolation	dB	25	25	25
Reflection Band	Wavelength Range	nm	1530-1600(1270-1350)	1530-1600(1450-1490)	1530-1570(1500-1520)
	Typ. Insertion Loss	dB	0.3		
	Max. Insertion Loss	dB	0.5		
	Typ. Isolation	dB	15		
	Min. Isolation	dB	12		
Min. Extinction Ratio		dB	20		
Min. Return Loss		dB	50		
Thermal Stability		dB/°C	≤0.005		
Max. Optical Power (CW)		mW	500		
Max. Tensile Load		N	5		
Fiber Type			PM Panda Fiber		
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, RL will be 5dB lower and ER will be 2dB lower.

\*The PM fiber and the key are aligned to the slow axis.

## Package Dimensions



## Ordering Information

**PMFWDM-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

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 Fiber

D - 400um Fiber

L - 900um Loose Tube

S - Specify

④: Fiber Length

0.8 - 0.8m

S - Specify