



## Polarization Maintaining Filter Wavelength Division Multiplexer

### Features

Wide Pass Band  
Low Insertion Loss  
High Return Loss  
Excellent Environmental Stability

### Applications

Fiber Lasers  
Fiber Amplifiers  
Fiber Sensors  
Research

### Specifications

Parameters	Unit	Values	
Pass Band	Wavelength Range	nm	960~990 (1020~1080)
	Max. Insertion Loss	dB	0.7
	Typ. Insertion Loss	dB	0.5
	Min. Isolation	dB	25
	Typ. Isolation	dB	30
Reflection Band	Wavelength Range	nm	1020~1080 (960~990)
	Max. Insertion Loss	dB	0.5
	Typ. Insertion Loss	dB	0.3
	Min. Isolation	dB	12
	Typ. Isolation	dB	15
Min. Return Loss	dB	50	
Min. Extinction Ratio	dB	20	
Typ. Extinction Ratio	dB	22	
Min. Directivity (over Reflection Band)	dB	55	
Thermal Stability	dB/°C	≤0.005	
Max. Optical Power (CW)	mW	300	
Max. Tensile Load	N	5	
Fiber Type		PM 980 Panda Fiber	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

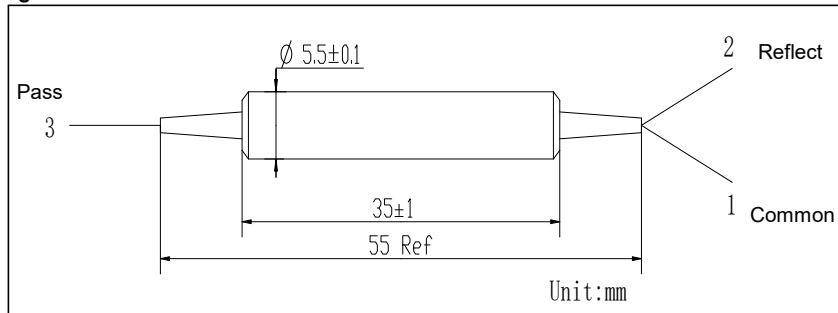
\*Above specifications are for device without connector.

\*For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower and RL will be 5dB lower.

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

\*The material must be RoHS compliant.

### Package Dimensions



### Ordering Information

#### PMFWDM-①①①①-②②②②-③③③③-④

##### ①①①①: Wavelength

9806 - 980nm Pass / 1064nm Reflect  
0698 - 1064nm Pass / 980nm Reflect  
9803 - 980nm Pass / 1030nm Reflect  
0398 - 1030nm Pass / 980nm Reflect

##### ②②②②: Handling Power

0.3 - 300mW  
S - Specify

##### ③③③③: Connector Type on Port 1, 2 & 3

1A - FC/UPC  
2A - FC/APC  
3D - SC/UPC  
4D - SC/APC  
N - None  
S - Specify

##### ④④④④: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber  
C - 900um Loose Tube(Red)  
D - 900um Loose Tube(Blue)  
F - 900um Loose Tube(White)  
S - Specify

##### ⑤: Fiber Length

0.8 - 0.8m  
S - Specify

##### ⑥⑥: Fiber Type

01 - PM 980  
02 - Nufern PM 1060L  
03 - Hi1060 on 980 Port, PM 980 on other Ports

##### ⑦⑦: Package

01 - Ø5.5x35mm  
08 - 80\*12\*10