


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

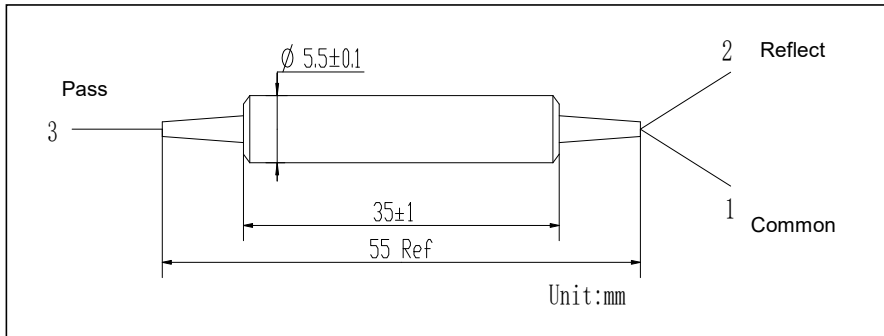
Parameters	Unit	Values	
Pass Band	Wavelength Range	nm	1520~1580
	Max. Insertion Loss	dB	0.7
	Typ. Insertion Loss	dB	0.5
	Min. Isolation	dB	25
	Typ. Isolation	dB	30
Reflection Band	Wavelength Range	nm	960~990
	Max. Insertion Loss	dB	0.6
	Typ. Insertion Loss	dB	0.4
	Min. Isolation	dB	12
	Typ. Isolation	dB	15
Min. Return Loss	dB	50	
Min. Directivity(over 960~990nm)	dB	60	
Min. Extinction Ratio	dB	20	
Typ. Extinction Ratio	dB	22	
Thermal Stability	dB/°C	≤0.005	
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
Fiber Type	-	PM 1550 Panda Fiber for Port 1/3, Hi 1060 Fiber for Port 2	
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-①①①①-②②-③③③-④④④-⑤-⑥⑥-⑦⑦

①①①①: Wavelength

5598 - 1550nm Pass / 980nm Reflect

②②: Handling Power

0.5 - 500mW

③③③: Connector Type on Port 1, 2 & 3

1A - FC/UPC

2A - FC/APC

3D - SC/UPC

4D - SC/APC

N - None

S - Specify

④④④: 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

04A - PM 1550 for 1/3, Hi 1060 for 2

05A - PM 1550 for 1/3, PM 980 for 2

06A - PM 1550 for 3, PM 980 for 1&2

⑦⑦: Package

01 - Ø5.5x35mm

08 - 80*12*10