



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

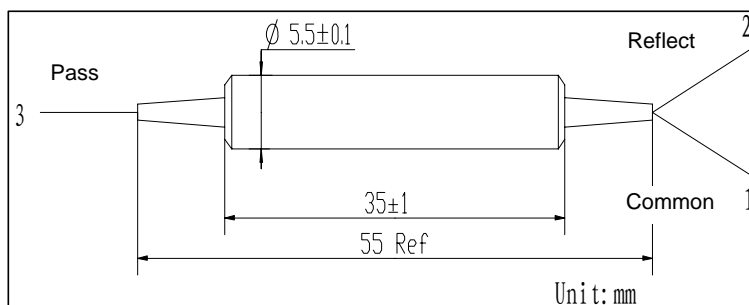
Parameters	Unit	Values	
Pass Band	Wavelength Range	nm	1520~1580
	Max. Insertion Loss	dB	0.7
	Typ. Insertion Loss	dB	0.5
	Min. Isolation	dB	25
	Typ. Isolation	dB	30
Reflection Band	Wavelength Range	nm	960~990
	Max. Insertion Loss	dB	0.6
	Typ. Insertion Loss	dB	0.4
	Min. Isolation	dB	12
	Typ. Isolation	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.

Package Dimensions



Ordering Information

PMFWDM-①①①①-②②②-③③③-④

①①①①: Wavelength
5598 - 1550nm Pass / 980nm Reflect

③③③: Fiber Jacket on Port 1, 2 & 3
B - 250um Bare Fiber
L - 900um Loose Tube

②②②: Connector Type on Port 1, 2 & 3
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

④: Fiber Length
0.8 - 0.8m
S - Specify