

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

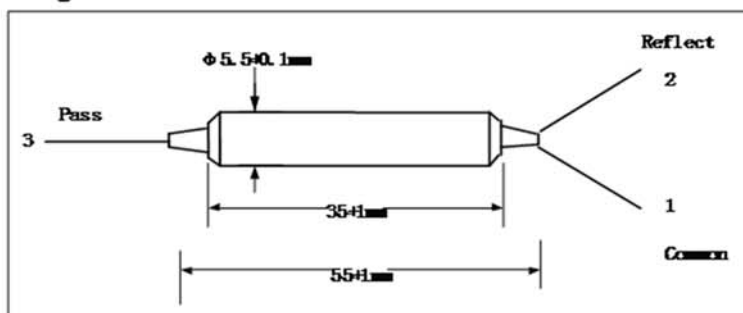
Parameters	Unit	Values	
Pass Band	Wavelength Range	nm	960~990 (1010~1050)
	Max. Insertion Loss	dB	0.7
	Typ. Insertion Loss	dB	0.5
	Min. Isolation	dB	25
	Typ. Isolation	dB	30
Reflection Band	Wavelength Range	nm	1010~1050 (960~990)
	Max. Insertion Loss	dB	0.5
	Typ. Insertion Loss	dB	0.3
	Min. Isolation	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)	W	1	
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.

Package Dimensions



Ordering Information

PMFWDMH-①①①①-②②②-③③③-④

①①①①: Wavelength

9803 - 980nm Pass / 1030nm Reflect

0398 - 1030nm Pass / 980nm Reflect

③③③: Fiber Jacket on Port 1, 2 & 3

B - 250um Bare Fiber

L - 900um Loose Tube

S - Specify

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