

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

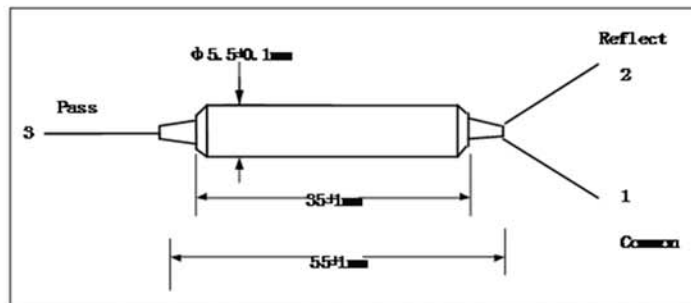
Parameters	Unit	Values	
Pass Band	Wavelength Range	nm	1520~1580
	Max Insertion Loss	dB	0.7
	Typ. Insertion Loss	dB	0.5
	Min. Isolation	dB	25
	Typ. Isolation	dB	30
Reflection Band	Wavelength Range	nm	960~990
	Max Insertion Loss	dB	0.5
	Typ. Insertion Loss	dB	0.3
	Min. Isolation	dB	12
	Typ. Isolation	dB	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)	W	1	
Max Tensile Load	N	5	
Fiber Type		PM 1550 Panda Fiber for Ports 1/3, Hi 1060 Fiber for Port 3	
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

PMFWDH-①①①①-②②②-③③③-④

①①①①: Wavelength
5598 - 1550nm Pass / 980nm 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 Bare Fiber
L - 900um Loose Tube
S - Specify

④: Fiber Length

0.8 - 0.8m
S - Specify