



Polarization Maintaining Filter Wavelength Division Multiplexer (PMFWDM Series)

Rev 11C

Description

The 2 μ m Filter Wavelength Division Multiplexer series is based on environmentally stable thin film filter technology. The devices combine or separate light at different wavelengths in a wide wavelength range. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. High power handling capability can be achieved through unique pigtail processing and high quality AR coating.

Key Features

- Low Insertion Loss
- Low Polarization Dependent Loss

Applications

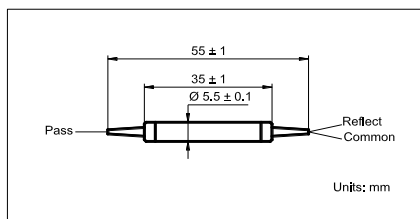
- Fiber Sensing
- EDFA

Specifications

Parameter		Unit	Value	
Pass Band	Wavelength Range	nm	1950 - 2050	
	Typ. Insertion Loss	dB	0.6	
	Max. Insertion Loss	dB	0.8	
	Typ. Isolation	dB	30	
	Min. Isolation	dB	25	
Reflection Band	Wavelength Range	nm	1560 - 1580	
	Typ. Insertion Loss	dB	0.6	
	Max. Insertion Loss	dB	0.8	1.3
	Typ. Isolation	dB	15	
	Min. Isolation	dB	12	
Min. Return Loss		dB	50	
Min. Extinction Ratio, 23 °C		dB	20	
Thermal Stability		dB/°C	0.005	
Max. Optical Power (Continuous Wave)		mW	300	
Max. Tensile Load		N	5	
Fiber Type	-	PM 1550 Fiber (all ports) or PM1950 Fiber (all ports) SMF-28 for R, PM 1550 for C & P	PM 1550 Fiber for Reflect Port and PM1950 Fiber for Common & Pass Port	
Operating Temperature		°C	- 5 to + 70	
Storage Temperature		°C	- 40 to + 85	

¹IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMFWDM-①①①①-②-③-④-⑤

①①①①: Wavelength

2057 - 2000 Pass/1570 Reflection

SSSS - Specify

②: Fiber Type

1 - PM 1550 Fiber (All Ports)

2 - PM1950 Fiber (All Ports)

3 - PM 1550 for R Port and PM1950 for C & P Port

4 - SMF-28 for R Port and PM 1550 for C & P Port

③: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

④: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

⑤: Fiber Length

1 - 1.0 m

S - Specify