

Polarization Maintaining Filter Wavelength Division Multiplexers (PMFWDM Series)



The PM FWDM series provide wavelength division multiplexing while maintaining signal polarization. The components are based on environmentally stable thin film filters technology and are characterized with high extinction ratio, low insertion loss, and high return loss. They are ideal for high speed WDM network systems.

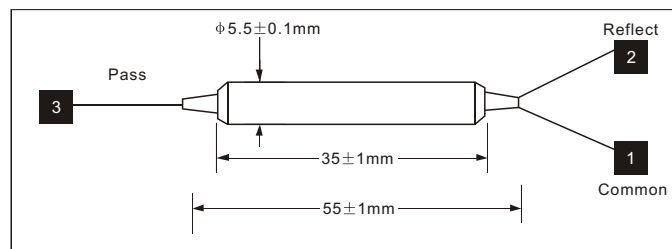


Specifications			
Parameters	Unit	Values	
Pass Band	Wavelength Range	nm	1270-1350(1530-1600) 1450-1490(1530-1600) 1500-1520(1530-1570)
	Typ. Insertion Loss	dB	0.4 0.4 0.5
	Max. Insertion Loss	dB	0.6 0.6 0.7
	Typ. Isolation	dB	30 30 30
	Min. Isolation	dB	25 25 25
Reflection Band	Wavelength Range	nm	1530-1600(1270-1350) 1530-1600(1450-1490) 1530-1570(1500-1520)
	Typ. Insertion Loss	dB	0.3
	Max. Insertion Loss	dB	0.5
	Typ. Isolation	dB	15
	Min. Isolation	dB	12
Min. Return Loss	dB	50	
Min. Extinction Ratio	dB	20	
Thermal Stability	dB/°C	≤0.005	
Max. Optical Power	mW	300	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

*Above specifications are for device without connectors.

*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower.

Package Dimensions



Ordering Information

PMFWDM-①①①①-②-③-④

①①①①: Wavelength

3155 - 1310 Pass / 1550 Reflect

5531 - 1310 Reflect / 1550 Pass

4855 - 1480 Pass / 1550 Reflect

5548 - 1480 Reflect / 1550 Pass

5155 - 1510 Pass / 1550 Reflect

5551 - 1510 Reflect / 1550 Pass

②: Connector Type

1 - FC/UPC

2 - FC/APC

3 - SC/UPC

4 - SC/APC

N - None

S - Specify

③: Fiber Type

B - 250um Panda Fiber

D - 400um Panda Fiber

L - 900um loose tube Panda Fiber

S - Specify

④: Fiber Length

Q - 0.75m

S - Specify

Remark: The PM fiber and the connector key are aligned to the slow axis