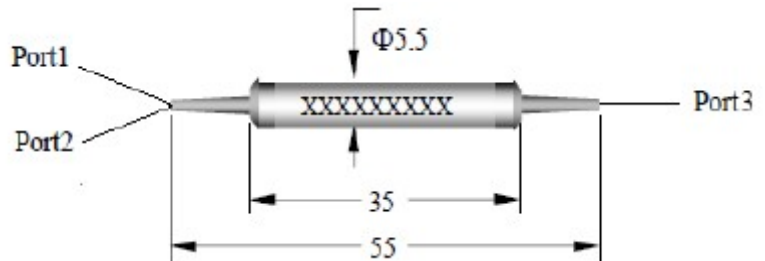




## Polarization Maintaining DWDM

The Polarization Maintaining Filter DWDM are characterized with low IL, high return loss, high extinction ratio and excellent environmental stability and reliability. They are ideal for polarization maintaining fiber amplifiers, DWDM network, and high speed communication system and instrumentation applications.



### Features

- ◆ Low Insertion Loss
- ◆ High Extinction Ratio
- ◆ High channel isolation
- ◆ High stability and reliability

### Applications

- ◆ Channel add / drop
- ◆ DWDM network
- ◆ Fiber optical amplifier
- ◆ CATV Fiber Optic System

### Performance Specifications

Parameter		100G	200G
Channel Wavelength (nm)		1529.55~1561.42 (ITU 20~ 60)	
Minimum Channel Spacing (GHz)		100	200
Channel Passband (@-0.5dB bandwidth) (nm)		> 0.2	> 0.5
Insertion Loss (dB)	Pass Band	< 1.2	< 1.0
	Reflection Band	< 0.5	< 0.5
Isolation (dB)	Pass Band	> 25	> 25
	Reflection Band	>12	>12
Extinction Ratio @ 23°C (dB)		> 20	
Insertion Loss Temperature Sensitivity (dB/°C )		< 0.003	
Wavelength Temperature Shifting (nm/°C )		< 0.002	
Polarization Mode Dispersion (ps)		< 0.1	
Directivity (dB)		> 50	
Return Loss (dB)		> 45	
Power Handling (mW)		300	
Operating Temperature (°C)		0 ~ +70	
Storage Temperature (°C)		-40 ~ +85	
Package Dimensions (mm)		Ø5.5 x L35	

\*Above specifications are for device without connector.

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

\*The PM fiber and the connector key are aligned to the slow axis and fast axis is blocked.

### Order information

PMDWDM-①①-②③③-④④-⑤⑤-⑥⑥



①①	②	③③	④④	⑤⑤	⑥⑥
Channel Spacing	Fiber Type	ITU Channel	Fiber Diameter	Fiber Length	Connector
10:100GHz 20:200GHz	1:PM fiber	21:1560.61nm 23:1558.98nm	25:250um 90:900um XX: Others	05:0.5m 10:1.0m 15:1.5m XX:Others	00:None FP: FC/PC FA: FC/APC SP: SC/PC SA: SC/APC ST: ST/PC LP: LC/PC LA: LC/APC XX: Others