

# Polarization Maintaining filter WDM (PMFWDM)

## Description

The Polarization Maintaining filter WDM provides wavelength division multiplexing while maintaining signal polarization. The PM FWDM is characterized with low insertion loss, high return loss, high extinction ratio and excellent environmental stability and reliability. It is ideal for high speed WDM network systems.

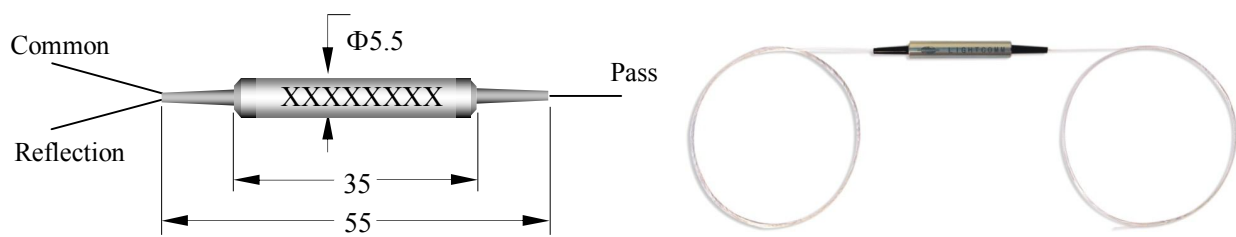
## Key Features

- Low insertion loss
- High Extinction Ratio
- Excellent stability and reliability

## Applications

- WDM network systems
- Fiber lasers
- Fiber amplifiers

## Mechanical Dimension



## Specifications

Parameter		Type	Unit	T2000/R1570 Polarization Maintaining filter WDM
Pass band (PB)	Wavelength range		nm	1950~2050
	Insertion loss		dB	≤0.8
	Isolation @RB		dB	≥25
Reflection band (RB)	Wavelength range		nm	1560~1580
	Insertion loss		dB	≤0.6
	Isolation @PB		dB	≥12
Extinction ratio (Only for signal port)			dB	≥18
Return loss			dB	≥50
Directivity			dB	≥50
Handling power			mW	≤300
Fiber type			/	PM fiber for Common and Pass port; PM fiber or SMF-28e fiber for Reflection port
Operating temperature			°C	-5 to +70
Storage temperature			°C	-40 to +85
Dimensions			mm	Φ5.5× L35

\* IL is 0.3dB higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

## Ordering Information

PMFWDM-XXX-TXXXX/RXXXX-X-X-XX/XXX-XX\*XX

