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# PM Wavelength Division Multiplexer

Polarization Maintaining Wavelength Division Multiplexer (PMWDM) using Thin Film Filters technology (TFF) combine light with different wavelengths into a fiber or separate an optical signal into two fibers with special feature - maintaining polarization. This device provides low insertion loss and high return loss with high polarization extinction ratio.



## Types

- Fused WDM
- Thin Film Filter WDM
- MultiMode WDM
- Polarization Maintaining WDM

## Applications

- High Speed DWDM Systems
- Erbium-Doped Fiber Amplifiers
- CATV

## Features

- Low Insertion Loss
- High Return Loss
- High Polarization Extinction Ratio
- Environmentally Stable



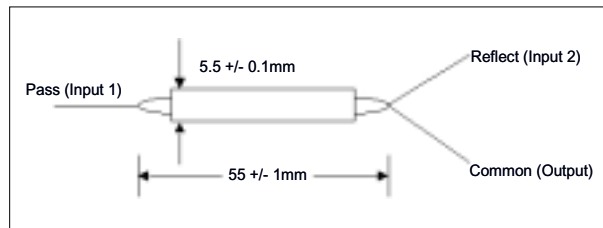
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## SPECIFICATIONS

### Polarization Maintaining WDM (980/1064nm)

Parameter	Values	Units
Passband	Wavelength Range	980 +/-10
	Max. Insertion Loss	0.7
Reflection Band	Wavelength Range	1064 +/-10
	Max. Insertion Loss	0.5
	Min. Isolation @ Passband Wavelength	12
Max. Variation Insertion Loss	0.3	dB
Min. Extinction Ratio (Input 2 to Output)	20	dB
Max. Polarization Dependent Loss (PDL) (Input 1 to Output)	0.05	dB
Min. Return Loss	50	dB
Max. Tensile Load	5	N
Signal Blocking (Input 2 to Input 1, 1064nm)	> 55 (Typ. 60)	dB
Max. Optical Power	300	mW
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
Fiber Type	HI 1060 on Input 1, PM 980 Panda on Input 2 and Output	

\*Above specifications are for device without connectors.



## ORDERING CODES

OLWDM - P - [ ] - [ ] - [ ]

Fiber Type	Code
250um Panda Fiber	25
900um loose tube Panda Fiber	90
Others	XX

Connector Type	Code
No Connector	NC
FC/UPC	FU
SC/UPC	SU
FC/APC	FA
SC/APC	SA
Others	XX

Wavelength	Code
980Pass/1064Reflection	9810

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