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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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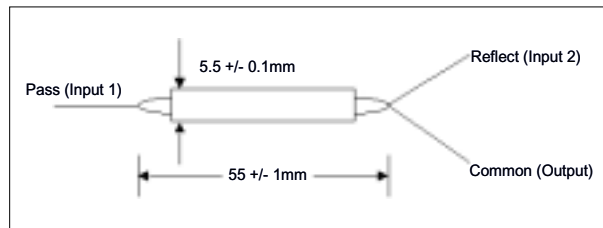
## SPECIFICATIONS

### Polarization Maintaining WDM (980/1030nm)

Parameter		Values	Units
Passband	Wavelength Range	980 +/-10	nm
	IL over Pass Wavelength (input 1 to output)	<1.0	dB
Reflection Band	Wavelength Range	1030 +/-10	nm
	IL over Reflection Band (input 2 to output)	<0.7	dB
	Reflection Band Isolation@Pass Band Wavelength	>12	dB
	Variation Insertion Loss	<0.3	dB
	Extinct Ratio	>20	dB
	Signal Blocking (Input 2 to Input 1, 1030nm)	> 55 (Typ. 60)	dB
	Optical Return Loss	>50	dB
	Tensile Load	5	N
	Max. Optical Power (Continuous Wave)	300	mW
	Fiber Type	PM 980 Panda fiber for all ports	--
	Fiber Length	0.75	m
	Operating Temperature	-5 to +70	°C
	Storage Temperature	-40 to +85	°C

\*Above specifications are for device without connectors.

\*If added with connectors, the IL will be 0.3dB higher, ER will be 2dB lower and RL will be 5dB lower.



## ORDERING CODES

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

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

Wavelength	Code
980Pass/1030Reflection	9810

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

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