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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



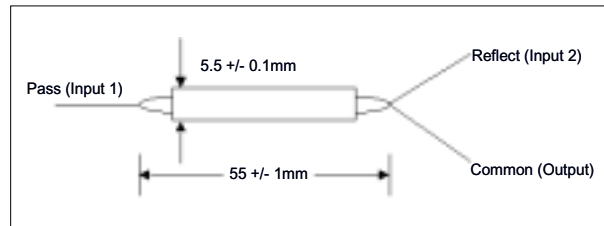
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## SPECIFICATIONS

### Polarization Maintaining WDM (1064/1030nm)

Parameter		Values	Units
Passband	Wavelength Range	1064 +/-2	nm
	Max. Insertion Loss (Over Passband)	1.0	dB
Reflection Band	Wavelength Range	1030 +/-10	dB
	Max. Insertion Loss (Over Reflection Band)	0.6	nm
	Min. Isolation @ Passband Wavelength	12	dB
Max. Variation Insertion Loss		0.3	dB
Min. Extinction Ratio		20	dB
Min. Return Loss		50	dB
Min. Signal Blocking (Input2 -> Input1, 1030nm)		55	dB
Max. Tensile Load		5	N
Max. Handling Power		500	mW
Fiber Length		0.75	m
Operating Temperature		-5 to +70	°C
Storage Temperature		-40 to +85	°C

\*Above specifications are for device without connectors.



## ORDERING CODES

OLWDM - P -  -  -

Wavelength	Code
1064Pass/1030Reflection	1030

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

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

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