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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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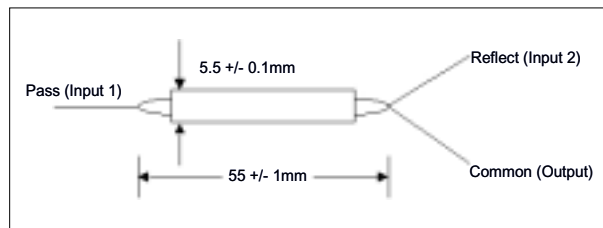
## SPECIFICATIONS

### Polarization Maintaining WDM (1550nm Pass/1060nm Reflect)

Parameter		Values	Units
Passband	Wavelength Range	1525 to 1605	nm
	Insertion Loss	(Typ.) 0.7, (Max.) 0.9	dB
	Isolation	(Typ.) 30, (Min.) 25	dB
Reflection Band	Wavelength Range	1064+/-5	nm
	Insertion Loss	(Typ.) 0.5, (Max.) 0.7	dB
	Isolation	(Typ.) 15, (Min.) 10	dB
Min. Extinction Ratio		20	dB
Min. Return Loss		50	dB
Thermal Stability		0.005	dB/°C
Fiber Type		PM1550 Panda for Pass Port PM980 Panda for Common & Reflect Port	--
Max. Optical Power (CW)		300	mW
Max. Tensile Load		5	N
Operating Temperature		-5 to +70	°C
Storage Temperature		-40 to +85	°C

\*IL is 0.5dB higher, RL is 5dB lower, and ER is 2dB lower for each connector added.

\*Connector key is aligned to slow axis.



## ORDERING CODES

OLWDM - P -  -  -

Wavelength	Code
1550 Pass / 1060 Reflect	1506

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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