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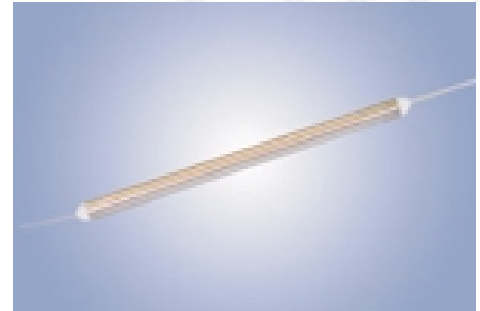
# PM Wavelength Division Multiplexer

*(Wide Pass Band and Reflection Band)*

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

- Polarization Maintaining WDM



## Applications

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

## Features

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



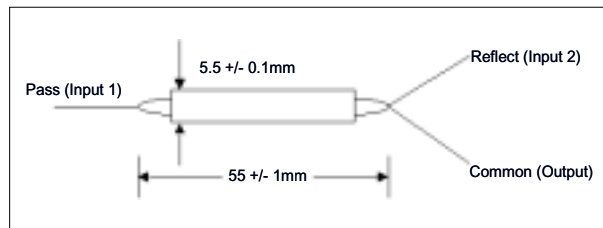
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## SPECIFICATIONS

### Polarization Maintaining WDM (1310/1550nm)

Parameter		Values	Units
Passband	Wavelength Range	1260 to 1400	nm
	Insertion Loss	0.6 (Typ), 0.8 (Max)	dB
	Isolation	25 (Min), 30 (Typ)	dB
Reflection Band	Wavelength Range	1450 to 1620	nm
	Insertion Loss	0.4 (Typ), 0.6 (Max)	dB
	Isolation	12 (Min), 15 (Typ)	dB
Extinction Ratio		> 20	dB
Return Loss		> 50	dB
Thermal Stability		< 0.005	dB/°C
Max. Tensile Load		5	N
Max. Handling Power		300	mW
Operating Temperature		-5 to +70	°C
Storage Temperature		-40 to +85	°C

\*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
1310Pass/1550Reflection	1315
1550Pass/1310Reflection	1315R

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