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Corporation Ltd

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



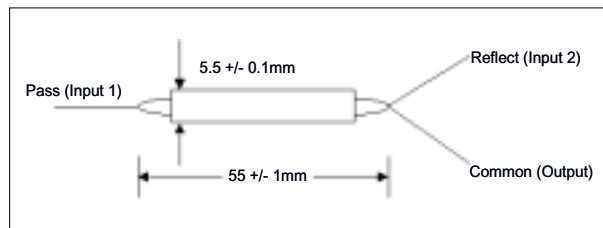
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SPECIFICATIONS

Polarization Maintaining WDM (1530-1542nm/1548-1560nm)

Parameter		Values	Units
Passband	Wavelength Range	1530 to 1542	nm
	Max. Insertion Loss	0.8	dB
	Min. Isolation	20	dB
Reflection Band	Wavelength Range	1548 to 1560	nm
	Max. Insertion Loss	0.6	dB
	Min. Isolation	10	dB
Min. Extinction Ratio		20	dB
Min. Return Loss		50	dB
Min. Directivity		50	dB
Thermal Stability		0.005	dB/°C
Max. Handling Power		500	mW
Fiber Type		PM Panda Fiber	--
Max. Tensile Load		5	N
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
1530-1542Pass / 1548-1560Reflect	3048

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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