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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



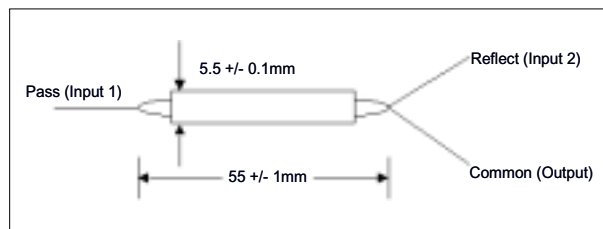
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SPECIFICATIONS

Polarization Maintaining WDM (978/1040nm)

Parameter		Values	Units
Passband	Wavelength Range (Pass->Common)	978 +/- 10	nm
	Max. Insertion Loss (Pass->Common)	1.0	dB
Reflection Band	Wavelength Range	1040 +/- 10	nm
	Max. Insertion Loss (Reflect->Common)	0.7	dB
	Min. Isolation @ Passband Wavelength	12	dB
Max. Variation Insertion Loss		0.3	dB
Max. PDL (Pass->Common, 23°C)		0.05	dB
Min. Extinction Ratio (Reflect->Common)		20	dB
Min. Return Loss		50	dB
Max. Tensile Load		5	N
Max. Handling Power		500	mW
Fiber Type		PM980 Panda on Input 2 & Output and HI1060 on Input 1	
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
978Pass/1040Reflection	9710

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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