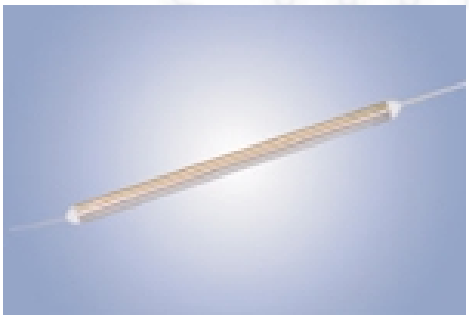
Opto-Link
Corporation Ltd

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
- Eribium-Doped Fiber Amplifers
- CATV

Features

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

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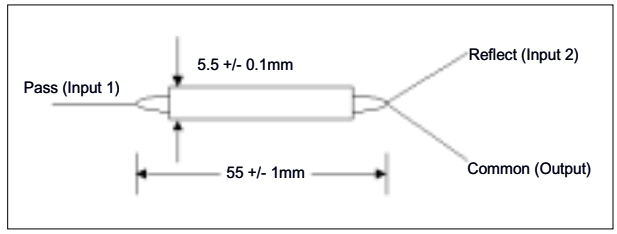
SPECIFICATIONS

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, 1080 +/-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
1550 Pass / 1080 Reflect	1508

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

■ Opto-Link Corporation Ltd. reserves the right to make changes to the products described herein without notice.

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