

Polarization Maintaining (PM) Filter WDM 1550/1480nm

The 1550/1480nm Polarization Maintaining (PM) Filter Wavelength Division Multiplexer (WDM) is based on thin-film filter technology. It provides wavelength division multiplexing while maintaining signal polarization with high extinction ratio. High power available upon request.



Features

- Low Insertion Loss
- High Extinction Ratio
- Customized Wavelength Range

Applications

- EDFA
- Fiber Laser
- Lab & Research

Performance Specification

Parameter	Value	Unit
Pass Band	Wavelength	1550 (1530-1600)
	Insertion Loss	0.4 (Typ.), 0.6 (Max.)
	Isolation @ 1480nm	30 (Typ.), 25 (Min.)
Reflection Band	Wavelength	1480 (1450-1490)
	Insertion Loss	0.3 (Typ.), 0.5 (Max.)
	Isolation @ 1550nm	15 (Typ.), 13 (Min.)
Typ. Extinction Ratio	22	dB
Min. Extinction Ratio	20	dB
Min. Directivity	55	dB
Max. Thermal Stability	0.005	dB/°C
Min. Return Loss	50	dB
Max. Optical Power (Continuous Wave)	500 (higher power available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	PM 1550 Panda Fiber or SMF-28e Fiber on Reflect Port PM 1550 Panda Fiber on Common & Pass Ports	
Operating Temperature	-5 to +70	°C
Storage Temperature	-40 to +85	°C
Package Dimension	Φ5.5×L35	mm

Note

* For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower.
* The PM fiber and the connector key are aligned to the slow axis.

Ordering Information

PMFWDM-AAAA/AAAA-B-CC-DD

AAAA/AAAA	B	CC	DD
Wavelength	Fiber Jacket	Fiber Length	Connector
1550/980 - 1550/980nm	B - 250um Bare	05 - 0.5m	NE - None
1550/1064 - 1550/1064nm	Fiber	08 - 0.8m	FA - FC/APC
1550/1310 - 1550/1310nm	L - 900um Loose	10 - 1.0m	FP - FC/PC
1550/1480 - 1550/1480nm	Tube	15 - 1.5m	SA - SC/APC
1064/980 - 1064/980nm		SS - Specify	SP - SC/PC
1310/980 - 1310/980nm			LA - LC/APC
SSSS/SSSS - Specify			LP - LC/PC
			SS - Specify