

Polarization Maintaining (PM) Filter WDM 1550/1064nm

The 1550/1064nm 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 (1500-1600)	nm
Pass Band Insertion Loss	0.6 (Typ.), 0.8 (Max.)	dB
Pass Band Isolation @ 980nm	28 (Typ.), 25 (Min.)	dB
Reflection Band Wavelength	1064 (1400-1064)	nm
Reflection Band Insertion Loss	0.4 (Typ.), 0.6 (Max.)	dB
Reflection Band Isolation @ 1550nm	15 (Typ.), 13 (Min.)	dB
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)	300 (higher power available upon request)	mW
Max. Tensile Load	5	N
Fiber Type	PM 980 Panda Fiber or HI 1060 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 Fiber	05 - 0.5m	NE - None
1550/1064 - 1550/1064nm		08 - 0.8m	FA - FC/APC
1550/1310 - 1550/1310nm	L - 900um Loose Tube	10 - 1.0m	FP - FC/PC
1550/1480 - 1550/1480nm		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

