

Polarization Maintaining (PM) Filter WDM 915/980nm

The 915/980nm 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
- High Power Available on Request

Applications

- EDFA
- Fiber Laser
- Lab & Research

Performance Specification

Parameter	Value	Unit
Pass Band	Wavelength	900-945
	Insertion Loss	0.7 (Typ.), 1.0 (Max.)
	Isolation @ 980nm	30 (Typ.), 25 (Min.)
Reflection Band	Wavelength	965-1100
	Insertion Loss	0.5 (Typ.), 0.7 (Max.)
	Isolation @ 1064nm	15 (Typ.), 12 (Min.)
Typ. Extinction Ratio	22	dB
Min. Extinction Ratio	20	dB
Min. Directivity	55	dB
Max. Thermal Stability	0.002	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 HI1060 Fiber on Reflect Port 'M 980 Panda Fiber on Common & Pass Ports, or customize	
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-AAA/AAA-B-CC-DD

AAA/AAA	B	CC	DD
Wavelength	Fiber Jacket	Fiber Length	Connector
915/980 - 915/980nm	B - 250um Bare Fiber	05 - 0.5m	NE - None
SSS/SSS - Specify	L - 900um Loose Tube	08 - 0.8m	FA - FC/APC
		10 - 1.0m	FP - FC/PC
		15 - 1.5m	SA - SC/APC
		SS - Specify	SP - SC/PC
			LA - LC/APC
			LP - LC/PC
			SS - Specify

