980/1064nm Polarization Maintaining Filter WDM

FIBERWDM can supply 980/1064nm Polarization Maintaining Filter WDM Filter (PM filter), the PM filter multiplexes PM signals and maintains the output polarization with high extinction ratio using advanced micro-optic filter technology. All input and output fibers are polarization maintaining.

This product can also be used to multiplex other wavelengths. including 980/1030 nm (pulsed laser applications) and 1064/1550 nm (Erbium-Ytterbium pumping). Low power (300 mW, 500 mW) and high power (up to 20W) handling are available.

It can also be provided with a PM isolator integrated in the same package. They are great used in polarization maintaining fiber amplifiers, fiber lasers, and high speed communication system and instrumentation applications.

Features

- Low insertion loss
- High Extinction Ratio
- High channel isolation
- High stability and reliability

Specifications

Parameter		Unit	T980/R1064	T1064/R980
Transmission Wavelength Range		nm	960~990	1020~1080
Reflect Wavelength Range		nm	1020~1080	960~990
Max. Insertion Loss@23℃	Transmission	dB	0.8	
	Reflect	dB	0.5	
Min. Isolation@23℃	Transmission	dB	25	
	Reflect	dB	12	
Min. Extinction Ratio@23℃		dB	20	
Min. Channel Flatness		dB	0.3	
Min. Return Loss		dB	50	
Max. Power Handling (CW)		W	0.3, 0.7, 1, 2,3,5,10，20	
Max. Tensile Load(N)		N	≤5	
Fiber Type		-	PM980 Panda fiber	
Operating Temperature		℃	-5 to +70	
Storage Temperature		℃	-40 to +85	
Package Dimensions		mm	Ø5.5 x L35	

1. Above specifications are for device without connector, and the PM WDM device is both axis working. All parameters are tested at room temperature.

2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower. Power transmits through the connector less than 2W.The default connector key is aligned to slow axis.

3. For >10W high power applications, we will use heat sink package, contact FIBERWDM for details.
4. If there is pulse application, please be sure to inform us of pulse energy and peak power.
5. If need other request, please contact FIBERWDM.

Package Information

980/1064nm PM WDM Component

Order Information

PMW-	-Channel-	-Package	Connector-	Pigtails Diameter	Fiber Length	Working Axis
	96:980nm pass/1064nm reflect	S: steel tube	01U/A: LC/UPC or LC/APC	25:250μm bare fiber	05:0.5m	B：Both axis working
	69:1064nm pass/980nm reflect	X: others	02U/A: SC/UPC or SC/APC	90:900μm Loose Tube	10:1.0m	F: Fast axis blocked
	93:980nm pass/1030nm reflect		03U/A: FC/UPC or FC/APC	XX: Others	15:1.5m	
	39:1030nm pass/980nm reflect		04U/A: others		XX: Others	

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better. If need any connector, we do not recommend choosing a 250μm bare fiber pigtail.

Part Number Example: PMW-96-S-01A-90-10-B
Description: Polarization Maintaining WDM, TX 980/RX1064nm, LC/APC all ports, 0.9mm 1.0m fiber, Steel tube, Both axis working.

If you need to customize other specifications, please provide detailed description for your requirement, and contact us by email: sales@fiberwdm.com