980/1064nm 1x2 PM Filter WDM

980/1064nm PM Wavelength Division Mulitplexer is a fiber component built with thin-film filter technology, it can be used to sepreate or combine 980nm and 1064nm wavelength signal with PM Panda fiber, it's widely used in Fiber Laser Systems and Fiber Amplifier Systems, the high power type is available upon request.

Application:

Fiber Laser
EDFA
Optical Diffraction System
Lab And Research

Features:

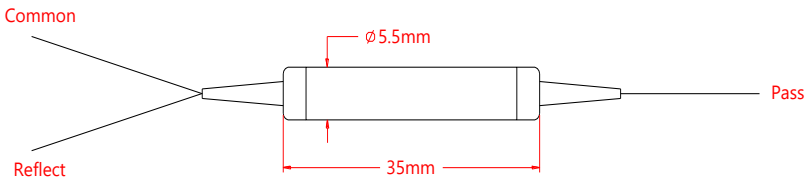
Epoxy Free
High Isolation
Low Insertion Loss
Optical Path Reversibility

Specification:

Parameter	Symbol	Value		Unit
Type		P980 R1064	P1064 R980	nm
Pass Band	λ	980 (960-990)	1064 (1020-1080)	nm
Reflect Band	λ	1064 (1020-1080)	980 (960-990)	nm
Max. Insertion Loss @Pass Channel	IL	1.0	0.8	dB
Max. Insertion Loss @Reflect Channel	IL	0.6	0.6	dB
Min. Isolation @Pass Channel	Iso	25		dB
Min. Isolation @Reflect Channel	Iso	13		dB
Max. Channel Flatness		0.3		dB
Min. Extinction Ratio	ER	20		dB
Max. IL Thermal Stability		0.005		dB/℃
Min. Directivity		50		dB
Min. Return Loss	RL	50		dB
Max. Optical Power (CW)	P	500		mW
Max. Tensil Load		5		N
Fiber Type		PM 980 fiber on Common & Pass Port PM 980 fiber or HI 1060 fiber on Reflect		-
Operating Temperature	T	-5~75		℃
Storage Temperature	T	-40~85		℃
Package Dimension		Φ5.5×L35		mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23℃.
For devices with connectors, IL will be 0.3dB higher, ER will be 2dB lower, slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

PFWDM-WWW/WWWW-FF-A-J-LL-CC

WWW/WWWW	FF	A	J	LL	CC
Wavelength	**Fiber Type on Reflect Port**	**Working Axis**	**Fiber Jacket**	**Fiber Length**	**Connector**
980/1064 - 980nm Pass, 1064nm Reflect 1064/980 - 1064nm Pass, 980nm Reflect	P9 - PM 980 Fiber H1 - HI 1060 Fiber	F - Fast Axis Blocked Slow axis Working B - Both Axes Working	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify	NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify