

2000/1550nm 1x2 PM Filter WDM

2000/1550nm PM Wavelength Division Multiplexer is a fiber component built with thin-film filter technology, it can be used to separate or combine 2000nm and 1550nm 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



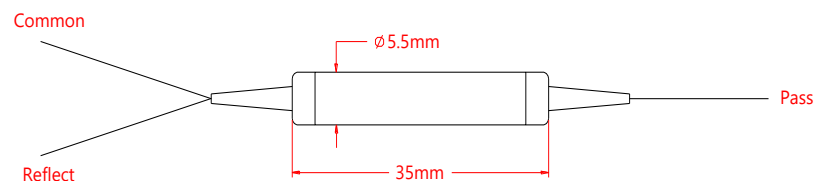
Specification:

Parameter	Symbol	Value	Unit
Type		P2000 R1550	nm
Pass Band	λ	2000 (1950-2050)	nm
Reflect Band	λ	1550 (1540-1560)	nm
Max. Insertion Loss @Pass Channel	IL	0.8	dB
Max. Insertion Loss @Reflect Channel	IL	0.8	dB
Min. Isolation @Pass Channel	Iso	25	dB
Min. Isolation @Reflect Channel	Iso	12	dB
Max. Channel Flatness		0.4	dB
Min. Extinction Ratio	ER	18	dB
Max. IL Thermal Stability		0.005	dB/°C
Min. Directivity		50	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	500	mW
Max. Tensile Load		5	N
Fiber Type		PM 1550 fiber on Common & Pass Port PM 1550 or SMF-28e fiber on Reflect Port	-
Operating Temperature	T	-5~75	°C
Storage Temperature	T	-40~85	°C
Package Dimension		$\Phi 5.5 \times L35$	mm

Notice: Above specifications are tested at center wavelength without connector in room temperature @23 °C.

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/WWW - FF - A - J - LL - CC					
WWW/WWW	FF	A	J	LL	CC
Wavelength	Fiber Type on Reflect Port	Working Axis	Fiber Jacket	Fiber Length	Connector
2000/1550 - 2000nm Pass, 1550nm Reflect	P5 - PM 1550 Fiber P9 - PM 1950 Fiber	F - Fast Axis Blocked Slow axis Working	B - 250um Bare Fiber 9 - 900um Loose Tube	05 - 0.5m 10 - 1.0m	NE - None FA - FC/APC
2000/1560 - 2000nm Pass 1560nm Reflect	S2 - SMF-28e Fiber	B - Both Axes Working		15 - 1.5m 20 - 2.0m SS - Specify	FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify