

## 1550/1480nm 1x2 PM Filter WDM

1550/1480nm PM Wavelength Division Multiplexer is a fiber component built with thin-film filter technology, it can be used to separate or combine 1550nm and 1480nm 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



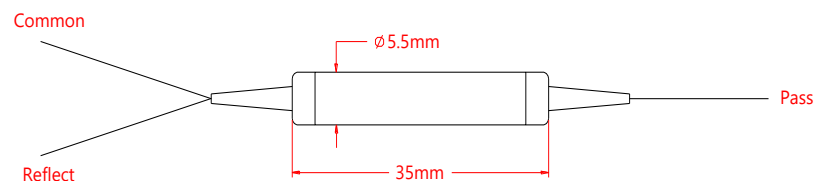
### Specification:

Parameter	Symbol	Value	Unit
Type		P1550 R1480	nm
Pass Band	$\lambda$	1550 (1535-1565)	nm
Reflect Band	$\lambda$	1480 (1470-1490)	nm
Max. Insertion Loss @Pass Channel	IL	0.8	dB
Max. Insertion Loss @Reflect Channel	IL	0.6	dB
Min. Isolation @Pass Channel	Iso	25	dB
Min. Isolation @Reflect Channel	Iso	15	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- <b>WWW/WWW</b> - <b>FF</b> - <b>A</b> - <b>J</b> - <b>LL</b> - <b>CC</b>					
<b>WWW/WWW</b>	<b>FF</b>	<b>A</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Fiber Type on Reflect Port	Working Axis	Fiber Jacket	Fiber Length	Connector
1550/1480 - 1550nm Pass, 1480nm Reflect	P5 - PM 1550 Fiber S2 - SMF-28e 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