

## 1080nm PM Band Pass Filter

1080nm PM Band Pass Filter is a fiber passive component which is based on thin-film filter technology, it can block the unwanted wavelength signal and pass the specific wavelength band. It's widely used in fiber amplifier and fiber laser field, the high power type is also available upon request.

### Application:

Fiber Amplifier  
Fiber Laser  
Fiber Optic Sensor  
Lab And Research

### Features:

Low Insertion Loss  
High Isolation  
High Power  
High Reliability



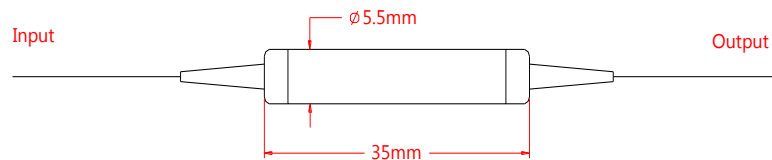
### Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	$\lambda$	1080	nm
Min. Pass Bandwidth @0.5dB	BW	5	nm
Max. Stop Bandwidth @25dB	BW	20	nm
Max. Insertion Loss	IL	1.2	dB
Min. Isolation	Iso	25	dB
Min. Extinction Ratio	ER	20	dB
Min. Return Loss	RL	50	dB
Max. Optical Power (CW)	P	300	mW
Max. Tensile Load		5	N
Fiber Type		PM 980 Panda fiber	-
Operating Temperature	T	-5~70	°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, RL will be 5dB lower, slow axis is default aligned to the connector key.

### Drawing:



### Ordering Information (Part Number):

PMBPF- <b>WWW</b> - <b>PP</b> - <b>SS</b> - <b>J</b> - <b>LL</b> - <b>CC</b>					
<b>WWW</b>	<b>PP</b>	<b>SS</b>	<b>J</b>	<b>LL</b>	<b>CC</b>
Wavelength	Pass Band	Stop Band	Fiber Jacket	Fiber Length	Connector
1080 - 1080nm	05 - 5nm	20 - 20nm	B - 250um Bare Fiber	05 - 0.5m	NE - None
SSSS - Specify	SS - Specify	SS - Specify	9 - 900um Loose Tube	10 - 1.0m	FA - FC/APC
			2 - 2.0mm Loose Tube	15 - 1.5m	FU - FC/UPC
				20 - 2.0m	SA - SC/APC
				SS - Specify	SU - SU/APC
					LA - LC/APC
					LU - LC/UPC
					SS - Specify