1053nm PM Band Pass Filter

1053nm 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:

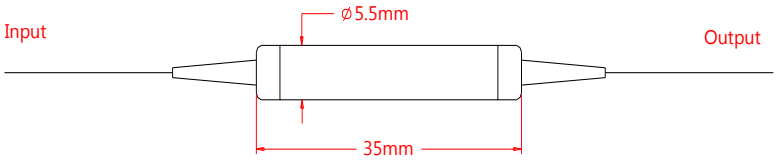
Low Insertion Loss
High Isolaton
High Power
High Realibility

Specification:

Parameter	Symbol	Value	Unit
Center Wavelength	λ	1053	nm
Min. Pass Bandwidth @0.5dB	BW	5	nm
Max. Stop Bandwidth @25dB	BW	12	nm
Max. Insertion Loss	IL	0.8	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. Tensil Load		5	N
Fiber Type		PM 980 Panda fiber	-
Operating Temperature	T	-5~70	℃
Storage Temperature	T	-40~85	℃
Package Dimension		Φ5.5xL35	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, RL will be 5dB lower, slow axis is default aligned to the connector key.

Drawing:



Ordering Information (Part Number):

PMBPF-WWWW-PP-SS-J-LL-CC

WWWW	PP	SS	J	LL	CC
Wavelength	**Pass Band**	**Stop Band**	**Fiber Jacket**	**Fiber Length**	**Connector**
1053 - 1053nm	05 - 5nm 06 - 6nm 10 - 10nm SS - Specify	10 - 10nm 12 - 12nm 20 - 20nm 22 - 22nm SS - Specify	B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2.0mm 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