

## 1550nm PM Isolator+Band Pass Filter Hybrid

1550nm PM Isolator+Band Pass Filter Hybrid is a fiber passive component which integrated with the function of Fiber Isolator and Band Pass Filter, Optical Isolator for avoiding the backward reflection light, Band Pass Filter for filter out the required wavelength, It's widely used in EDFA and Fiber Amplifier application, higher power type is available upon request.

### Application:

Fiber Laser  
EDFA  
Raman Amplifier  
Lab And Research

### Features:

Compact Package  
High Isolation  
Low Insertion Loss  
High Reliability



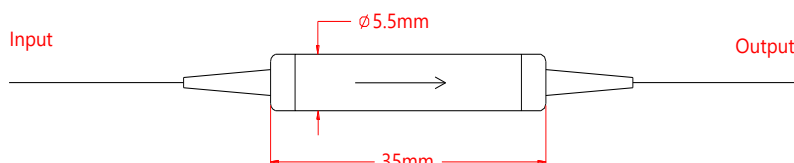
### Specification:

Parameter	Symbol	Value		Unit
Center Wavelength	$\lambda$	1550		nm
Bandwidth	BW	$\pm 10$		nm
Isolator Stage		Single Stage	Dual Stage	-
Typ. Peak Isolation	Iso	40	58	dB
Min. Isolation	Iso	28	45	dB
Max. Insertion Loss	IL	0.8	1.0	dB
Min. Extinction Ratio	ER	20	20	dB
Max. Wavelength Dependent Loss	WDL	0.3	0.3	dB
Max. Polarization Mode Dispersion	PMD	0.25	0.05	ps
Min. Pass Band (@-0.5dB)		1, 2, 5, 8, 15 or customized		nm
Max. Stop Band (@-25dB)		6, 10, 12, 25 or customized		nm
Min. Return Loss	RL	45		dB
Min. Directivity		50		dB
Max. Optical Power (CW)	P	300		mW
Max. Tensile Load		5		N
Fiber Type		PM 1550 Panda fiber		-
Operating Temperature	T	0~70		°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, RL will be 5dB lower.

### Drawing:



### Ordering Information (Part Number):

WWWW	S	PP	SS	W	J	LL	CC
Wavelength	Stage	Pass Band	Stop Band	Working Axis	Fiber Jacket	Fiber Length	Connector
1550 - 1550nm	S - Single Stage D - Dual Stage	01 - 1nm 02 - 2nm 05 - 5nm 15 - 15nm SS - Specify	06 - 6nm 10 - 10nm 12 - 12nm 25 - 25nm SS - Specify	F - Fast Axis Blocked 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