

## (Compact) 2W 1064nm In-line Isolator+BPF

### Description

The 2W 1064nm in-line isolator+BPF(Band-pass filter) is characterized with low cost and compact size. It is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

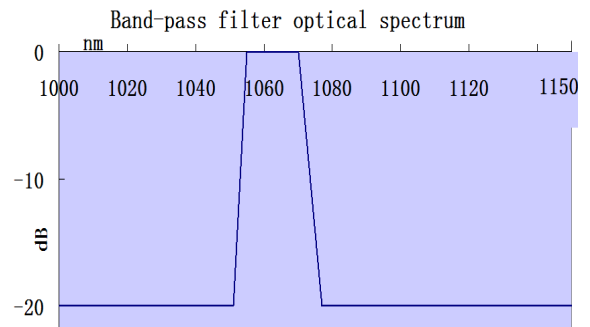
### Key Features

- \* High isolation and low insertion loss
- \* PM and Non-PM are available; Fiber can be customized
- \* Excellent environmental stability and reliability

### Applications

- \* Fiber laser
- \* Fiber sensor

### Specifications



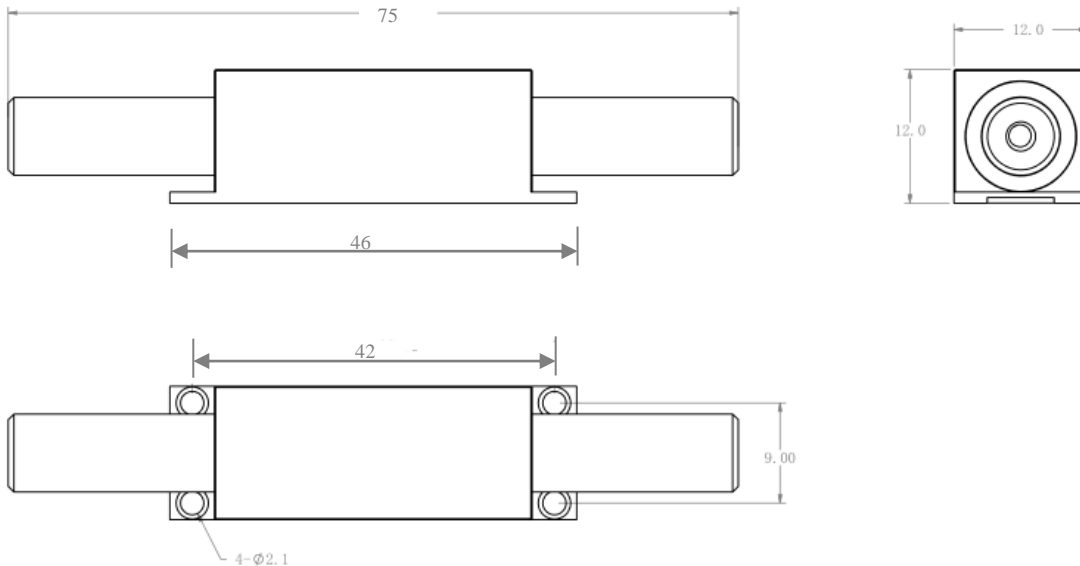
Parameter	Type	2W in-line isolator+BPF			
		1064±5	1064±4	1064±2	1064±1
Pass bandwidth@0.5dB from peak (nm)		≥10	≥8	≥4	≥2
Pass bandwidth@-20dB from peak (nm)		≤25	≤25	≤12	≤8
Typ. peak isolation at operating wavelength (dB)		≥35			
Isolation at operating wavelength (dB)		≥28			
Insertion loss at CW 23°C(dB) (Input 1mW power)		≤2.5			
Insertion loss at CW 23°C(dB) (Input max. power)		≤3.0			
Polarization dependent loss for NON-PM type(dB)		≤0.15			
Extinction ratio for PM type (dB)		≥18(B) , ≥20(F)			
Return loss (Input/Output) (dB)		≥50			
Fiber type		HI1060, SM98-PS-U25D-H, etc.			
Input max. power handling	Average (W)	2 (NON-PM type) , 1(PM type)			
	Pulse peak(W)	1000, higher on demand			
Operating temperature (°C)		-5 ~ +50			
Storage temperature (°C)		-20 ~ +70			
Dimensions (L×W×H)(mm)		75*12*12			

\*“B” for both axis working, “F” for slow axis working and fast axis blocking.

\* Backward power<10% input power

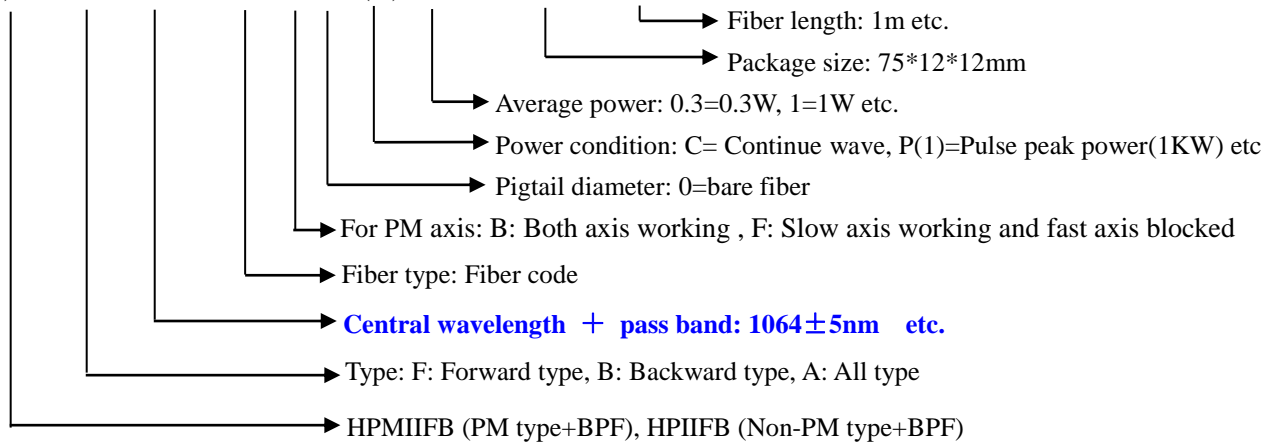
\* Insertion loss of light through fiber cladding is not included in the Insertion loss specification

## Mechanical Dimension (unit: mm)

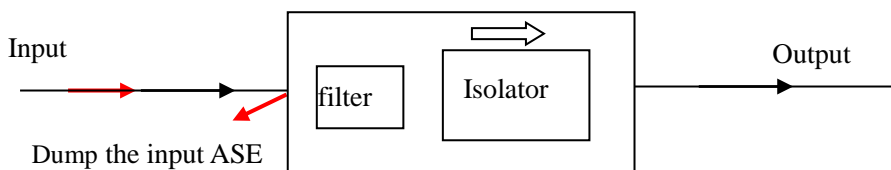


## Ordering Information

HP(M)IIFB-X-XXXX-XXX-X-X-X(X)- X -XX\*XX\*XX-XX



**Forward type:** (Dump the input ASE)



**Backward type:** (Dump the backward ASE)

The input wavelength must be in the transmission bandwidth

