

# 1064nm High Power PM Bandpass Filter/Isolator

## Hybrid for Pulse Power

### Feature

High Isolation  
 Low Insertion Loss  
 Epoxy-Free Optical Path  
 High Reliability and Stability  
 Low Profile Packaging

### Application

Broadband Systems  
 Optical Amplifying Systems  
 Telecommunication Networks  
 Metro Networks  
 CATV Networks

### Specification

Parameters	Unit	Val	
Center Wavelength	nm	10	
Min. Pass Band Width @ 0.5dB	nm	2.	8.
Stop Band @ 25dB	nm	1000~1058&1070~1100	1000~1053&1075~1100
Insertion Loss@23°C	dB	≤1	
Signal Isolation (23°C)	dB	≥	
Configuration	D Type	-	2-p
	Y Type	-	3-port, (Blocked Wavelength Guide Out)
Fiber Type at 3 <sup>rd</sup> Port (Y Type)	-	105/125um MM Fiber, HI1060 Fiber or PM980 Panda Fiber 10/125um Fiber or 10/125um PM Fiber	
ASE Direction	Forward Type	-	BandPass Filter is before isolator
	Backward Type	-	BandPass Filter is after isolator
Optical Return Loss	dB	≥	
Extinction Ratio	dB	≥	
Working Mode	S Type	-	Can only work in Slow Axis
	F Type	-	Can work both in Slow Axis and Fast Axis
Fiber Type	-	PM980 Panda Fiber or 10/125um PM Fiber	

Max. Average Optical Power	W	0.5, 1, 3, 5,
Max. Peak Power for pulse	kW	0.1, 1, 2, 5,
Operating Temperature	°C	0~
Storage Temperature	°C	-40~

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Suggest to use Y type if blocked optical power is >1W.

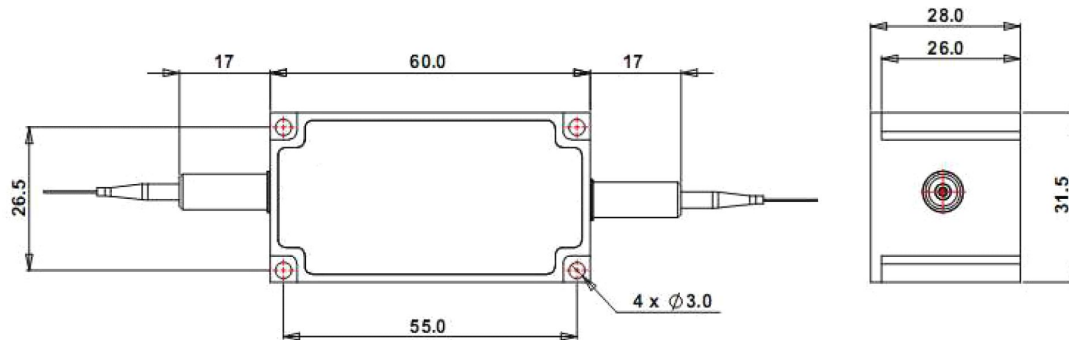
4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

5. Devices for higher optical power or with other type fiber or consigned fiber (For example: 6/125um, 20/125um or

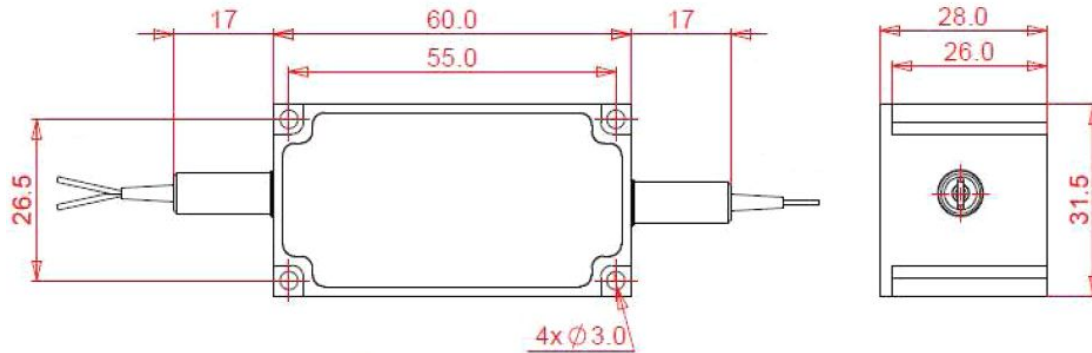
25/250um, etc.) are also available; Devices can only work in the core of Double Cladding (DC) Fiber.

## Package

### D Type



### Y type



## Ordering information

<b>FHBP-NNNN-NN</b>	<b>C</b>	<b>C</b>	<b>(C)</b>	<b>-H</b>	<b>NN</b>	<b>P</b>	<b>NN</b>	<b>-C</b>	<b>C</b>	<b>NN</b>	<b>-CC/CCC</b>
Wavelength	Bandwidth	ASE Type	Work Mode	3 <sup>rd</sup> Port Fiber	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1064=1064nm	20=2nm	F= Forward	S= S Type	P= PM980 Fiber	05=500mW	01= 100W	2= PM980 Fiber	B= Bare Fiber	10=1.0m	N	=Without
	80= 8nm	B=Backward	F= F Type	H= HI1060 Fiber	5=5W	1=1kW	E=10/125 PM Fiber	L= Loose Tube	15=1.5m	FC/APC=FC/APC	
				E=10/125 PM Fiber	10=10W	10=10kW	O=10/125PMDC Fiber		20=2.0m	LC/PC	=LC/PC