1064nm High Power PM Bandpass Filter/Isolator Hybrid

Feathure

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	Valu	
Center Wavelength		nm	106	
Min. Pass Band Width @ 0.5dB		nm	2.0	8.
Stop Band @ 25dB		nm	1000~1058&1070~1100	1000~1053&1075~1100
Insertion Loss@23°C		dB	≤1.	
Signal Isolation (23°C)		dB	≥2	
Configuration	D Type	-	2-por	
	Y Type	-	3-port, (Blocked Wavelength Guide Out)	
Fiber Type at 3rd 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	≥4	
Extinction Ratio		dB	≥1	
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. Optical Power (CW)	W	0.5, 1, 3, 5, 10, 15, 20
Operating Temperature	°C	0~5
Storage Temperature	°C	-40~8

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.

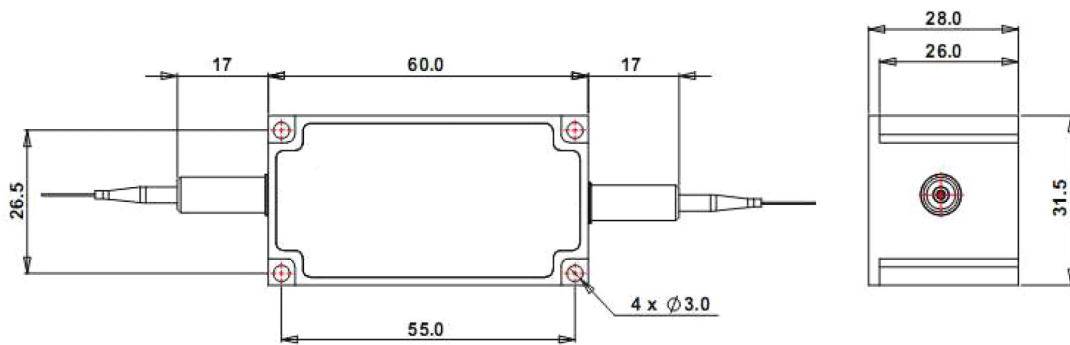3. Suggest to use Y type if blocked optical power is >1W.

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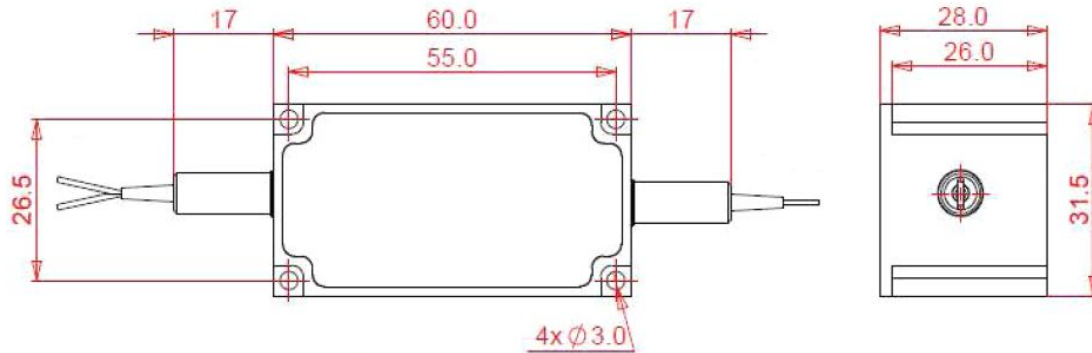
25/250um, etc.) are also available; Devices can only work in the core of Double Cladding (DC) Fiber.

Package
D Type

Y type

Ordering information

HFBP-NNNN	-	NN	C	C	(C)	-HP	NN	-	C	C	NN	-	CC/CCC
Wavelength		Bandwidth Type	ASE	Work Mode	3rd Port Fiber		Optical Power		Fiber Type	Fiber Sleeve	Fiber Length		Connector Type

1064=1064nm
20=2nm

80= 8nm

F= Forward

B=Backward HI1060 Fiber

S= S Type Fiber

F= F Type

P= PM980

H=

E=10/125 PM Fiber

O=10/125PMDC Fiber Blank for Y Type

1=1 W

2= 2W

10= 10W

2= PM980 Fiber

E=10/125 PM Fiber

O=10/125PMDC Fiber

B= Bare Fiber

L= Loose Tube

10=1.0 m

15=1.5 m

20=2.0 m

N =Without Connector

FC/APC=FC/APC Connector

LC/PC =LC/PC Connector