1970nm PM BP/Isolator Hybrid for Pulse Power

FEATURES

- Low Insertion Loss
- High Reliability and Stability

APPLICATIONS

- Optical Amplifying Systems
- Telecommunication Networks

SPECIFICATIONS

Parameters		Unit	Single Stage	Dual Stage	H Stage
Center Wavelength		nm	1970		
Min. Pass Band Width @ 0.5dB		nm	6.0		
Stop Band @25dB		nm	1900-1960 & 1980-2050		
Insertion Loss@23°C		dB	≤1.6	≤1.9	≤1.9
Signal Isolation (23°C)		dB	≥16	≥30	≥25
Configuration	D Type	-	2-port		
	Y Type	-	3-port, (Blocked Wavelength Guide Out)		
	X Type	-	4-port, (Both Block Wavelength Guide Out)		
Fiber Type at 3rd or 4th Port (Y/X Type)		-	Same Fiber, Corr. SM Fiber or 50/125um MM Fiber		
ASE Direction	Forward Type	-	Bandpass Filter is before isolator		
	Backward Type	-	Bandpass Filter is after isolator		
	Twin Type	-	Bandpass Filter is at both sides of isolator		
Optical Return Loss/Extinction Ratio		dB	≥45 / ≥18		
Work Mode	S Type	-	Can only work in slow axis		
	F Type	-	Can work both in slow axis and fast axis		
Fiber Type		-	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)		
Max. Average Optical Power		W	0.3, 0.5, 1, 2		3, 5, 10
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20		
Operating Temperature		°C	0~50		
Storage Temperature		°C	-40~85		
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35		See Drawing
	Metal Box	mm	(L)120x(W)12x(H)10		

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

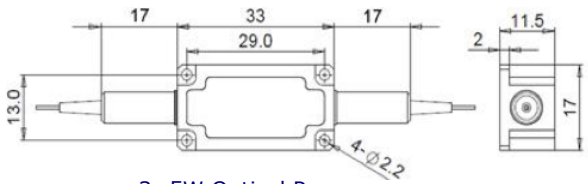
2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

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

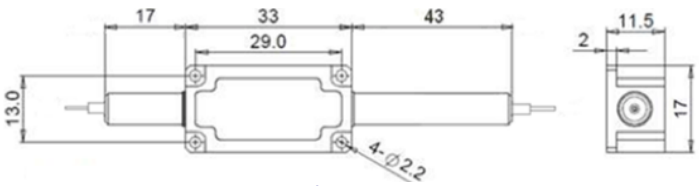
4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

5. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

PACKAGE DIMENSION (H STAGE)



3~5W Optical Power



>5W Optical Power

ORDERING INFORMATION (PN)

FHBP-1970-C NN C C - (C) (C) -H NN P NN -(C) C C NN -CC/CCC

Stage	Bandwidth	ASE Type	Work Mode	3rd Port Fiber	4th Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single Stage	60=6nm	F= Forward	S= S Type	Y=Same Fiber	Y=Same Fiber	03=300mW	01=100W	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D= Dual Stage		B=Backward	F= F Type	S=Corr. SM Fiber	S=Corr. SM Fiber	1= 1W	1= 1kW	Blank for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
H= H Stage		T=Twin		5=50/125um Fiber	5=50/125um Fiber	5= 5W	5= 5kW	or >2W	O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				Blank for D Type	Blank for D&Y Type	10=10W	10=10kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector