

2051nm PM BP/Isolator Hybrid for Pulse Power

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs



SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Center Wavelength (λ_c)	nm	2051		
Min. Pass Band Width @ 0.5dB	nm	5.0		
Stop Wavelength (ASE)	nm	1970-2040 & 2062-2100		
Insertion Loss@23°C	dB	≤1.6	≤1.9	≤1.9
Signal Isolation (λ_c , 23°C)	dB	≥16	≥30	≥25
Stop Wavelength (ASE) Isolation	dB	Standard: ≥25; High Isolation: ≥45		
ASE Direction	-	F: Forward, B: Backward, T: Two-way		
Configuration	-	D: 2-port, Y: 3-port, X: 4-port		
Optical Return Loss	dB	≥45		
Extinction Ratio	dB	≥18		
Work Mode	S Type	-	Can only work in slow axis	
	F Type	-	Can work both in slow axis and fast axis	
Fiber Type	Input&Output	-	PM1550 Panda Fiber or PM1950 Fiber (V)	
	ASE Guide Out (Y/X Type)	-	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		
Max. Backward Signal Average Power	W	0.3, 0.5, 1, 2, 3, 5		
Max. ASE Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-20~75		
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5x ^L 38	
	Metal Box	mm	L120x ^W 12x ^H 10	
				See Drawing

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.

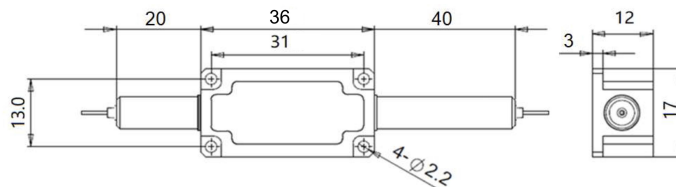
3. Suggest to use Y or X type if blocked optical power is >1W.

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.

6. Package size may be different for different optical power and configurations.

PACKAGE DIMENSION (H STAGE)



ORDERING INFORMATION (PN)

FHBP-2051-C NN(C)(C) C - (C) (C) (C) -H NN P NN-(NN/NN)-(C) C C NN-CC/CCC

Stage	Bandwidth	ASE Type	ASE Iso	Work Mode	Fwd ASE Fiber	Bwd ASE Fiber	Bwd Signal	Average Power	Peak Power	ASE/Bwd Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single Stage	50=5nm	B=Backward	I=High	S= S Type	Y=Same Fiber	Y=Same Fiber	Guide Out	03=300mW	01=100W	1= 1W	M= Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D= Dual Stage		T=Two-way	Isolation	F= F Type	A=105/125um Fiber	A=105/125um Fiber	Y=Yes	1= 1W	1= 1kW	5= 5W	Blank for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
H= H Stage		Blank for Forward	Blank for		N=None	S=50/125um Fiber	Blank for No	5= 5W	5= 5kW	10=10W	or >2W	O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
					Standard	Blank for D Type	Blank for None/D Type	10=10W	10=10kW	Blank for 300mW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/APC=SC/APC Connector

