

2051nm High Power PM BP/Isolator Hybrid

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

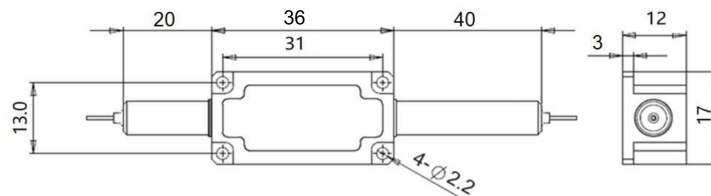


SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage
Center Wavelength	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 (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. Optical Power (CW)	W	0.3, 0.5, 1, 2		3, 5, 10
Max. Backward Signal Power (CW)	W	0.3, 0.5, 1, 2, 3, 5		
Max. ASE Optical Power (CW)	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	ø5.5xL38	
	Metal Box	mm	L120xW12xH10	
				See Drawing

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Suggest to use Y or X type if blocked optical power is >1W.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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 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)-HPNN-(NN/NN)-(C) C C NN -CC/CCC

Stage	Bandwidth	ASE Type	ASE Iso	Work Mode	Fwd ASE Fiber	Bwd ASE Fiber	Bwd Signal	Optical 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	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	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	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	Blank for 300mW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/APC=SC/APC Connector

