

1030nm High Power PM BP/Isolator Hybrid for Pulse Power ($\geq 10\text{nm BW}$)

FEATURES

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

APPLICATIONS

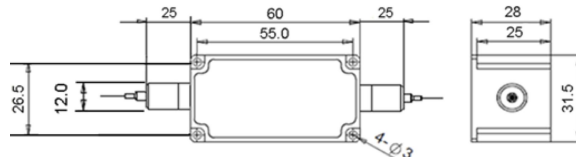
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs

SPECIFICATIONS

Parameters	Unit	Value	
Center Wavelength	nm	1030	
Min. Pass Band Width @ 0.5dB	nm	10, 12, 20	
Stop Wavelength (ASE)	10nm Bandwidth	nm	1000~1020&1040~1100
	12nm Bandwidth	nm	1000~1018&1042~1100
	20nm Bandwidth	nm	960~1014&1046~1100
Insertion Loss@23°C	dB	≤ 1.8 (Typ. 1.0)	
Signal Isolation (23°C)	dB	≥ 20	
Stop Wavelength (ASE) Isolation	Standard	dB	≥ 25
	High Isolation	dB	≥ 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	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)
		-	10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)
	ASE Guide Out (Y/X Type)	-	20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
		-	Same Fiber, Corr. SM Fiber or MM Fiber
Max. Signal Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Max. Backward Signal Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10	
Max. ASE Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-20~75	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB 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 $> 1\text{W}$.
 - 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 fiber type, optical power and configurations.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FHBP-1030-NNN(C)(C)C - (C) (C) (C) -H NN PNN -(NN/NN)-C C NN -CC/CCC

Bandwidth	ASE Type	ASE Iso	Work Mode	Fwd ASE Fiber	Bwd ASE/Signal Fiber	Bwd Signal	Signal Ave. Power	Peak Power	ASE/Bwd Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
100-10nm	B=Backward	I=High	S= S Type	Y=Same Fiber	Y=Same Fiber	Guide Out	0.5-500mW	0.1-100W	1- 1W	2=PM980Fiber	B= Bare fiber	0.5-0.5m	N=Without Connector
130-13nm	T=Two-way	Isolation	F= F Type	A=105/125um Fiber	A=105/125um Fiber	Y=Yes	1- 1W	1- 1kW	5- 5W	E=PM1060L Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
200-20nm	Blank for Forward	Blank for	Standard	N=None	5=50/125um Fiber	Blank for No	10- 10W	5- 5kW	10-10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
				Blank for D Type	Blank for None/D Type		20=20W	10-10kW	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20-2.0m	SC/UP=SC/UPC Connector