

1064nm High Power PM Bandpass Filter/Isolator Hybrid

FEATURES

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

APPLICATIONS

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

SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage
Center Wavelength	nm	1064	
Min. Pass Band Width @ 0.5dB	nm	0.5, 2.0, 5.0, 6.0, 9.0, 17.0	
Stop Wavelength (ASE)	0.5nm Bandwidth	1000~1063&1065~1100	
	2nm Bandwidth	1000~1060&1068~1100	
	5nm Bandwidth	1000~1058&1070~1100	
	6nm Bandwidth	1000~1057&1071~1100	
	9nm Bandwidth	1000~1055&1073~1100	
17nm Bandwidth	1000~1047&1081~1100		
Insertion Loss@23°C	dB	≤1.5 (Typ. 0.8)	≤1.8 (Typ. 1.0)
Signal Isolation (23°C)	dB	≥22	≥40
Stop Wavelength (ASE) Isolation	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	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)	
		10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)	
		20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
	ASE Guide Out (Y/X Type)	Same Fiber, Corr. SM Fiber or MM Fiber	
Max. Signal Optical Power (CW)	W	0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60	
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: 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 or X type if blocked optical power is >1W.

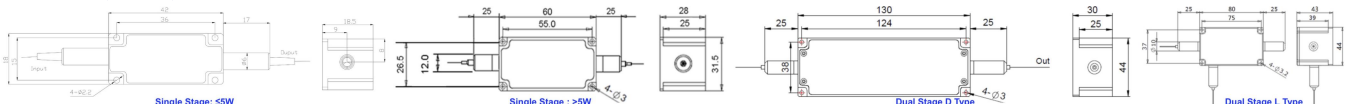
4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

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 fiber type, optical power and configurations.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FHBP-1064-(C)NN(C)(C) C - (C) (C) (C)-HPNN -(NN/NN) -C C NN -CC/CCC

Stage	Bandwidth	ASE Type	ASE Iso	Work Mode	Fwd ASE Fiber	Bwd ASE/Signal Fiber	Bwd Signal	Signal Power	ASE/Bwd Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
D=D Type	05=0.5nm	B=Backward	I=High	S=S Type	Y=Same Fiber	Y=Same Fiber	Guide Out	05=500mW	1=1W	2=PM980Fiber	B= Bare fiber	05=0.5m	N=Without Connector
L=L Type	20=2nm	T=Two-way	Isolation	F=F Type	A=105/125um Fiber	A=105/125um Fiber	Y=Yes	1=1W	5=5W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
Blank for	90=9nm	Blank for Forward	Blank for		N=None	S=50/125um Fiber	Blank for No	10=10W	10=10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
Single	170=17nm		Standard		Blank for D Type	Blank for None/D Type		20=20W	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector