1031nm 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	1031	
Min. Pass Band Width @ 0.5dB		nm	8.0	
Stop Wavelength (ASE)		nm	960~1021&1041~1100	
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	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)	
			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.

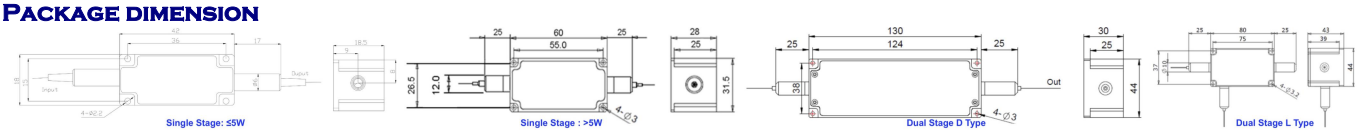
3. Suggest to use Y or X type if blocked optical power is >1W.

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-1031-(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	80=8nm	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		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		*Blank* for Forward	*Blank* for		N=None	5=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			Standard		*Blank* for D Type	*Blank* for None/D Type		20=20W	*Blank* for300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector