

2000nm High Power Bandpass Filter/Isolator Hybrid

FEATURES

- High Isolation
- Low Insertion Loss
- **Epoxy-Free Optical Path**
- High Reliability and Stability

APPLICATIONS

- **Broadband Systems**
- **Optical Amplifying Systems**
- Telecommunication Networks
- Metro Networks



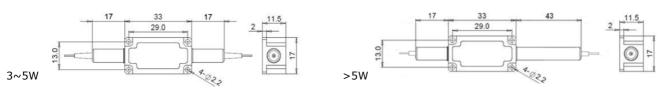
SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage	H Stage		
Center Wavelength	nm	2000				
Min. Pass Band Width @ 0.5dB		nm	6.0			
Stop Band @25dB		nm	1900-1990 & 2010-2050			
Insertion Loss@23°	dB	≤1.6	≤1.9	≤1.9		
Signal Isolation (23	dB	≥20	≥35	≥25		
Configuration	D Type	-	2-port			
	Y Type	-	3-port, (Blocked Wavelength Guide Out)			
	X Type	-	4-port, (Both Block Wavelength Guide Out)			
Fiber Type at 3 rd or	-	Same Fiber of other ports or 50/125um MM Fiber				
ASE Direction	Forward Type	-	Bandpass Filter is before isolator			
	Backward Type	-	Bandpass Filter is after isolator			
	Twin Type	-	Bandpass Filter is at both sides of isolator			
Optical Return Loss		dB	≥45			
PDL	dB	≤0.2				
Fiber Type			SMF-28 Fiber or SM1950 Fiber (V)			
		_	10/130um DC Fiber (O) or 25/250um DC Fiber (R)			
Max. Optical Power	W	1,	2	3, 5, 10		
Operating Temperature		°C	0~50			
Storage Temperature		°C	-40~85			
Package	Stainless Steel Tube (SST)	mm	(Ø)5.	5x35	See	
Dimension	Metal Box	mm	(L)120x(W)12x(H)10	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.
- 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.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

FHBI-2000-C	NN	C	- (C)	(C) -	HP NN	-(<mark>C</mark>)	(C)	C	NN	-CC/CCC		
Stage	Bandwidth	ASE Type	3rd Port Fiber	4th Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
S= Single Stage	60=6nm	F= Forward	Y=Same Fiber	Y=Same Fiber	1- 1W	M=Metal Box	V= SM1950 Fiber	B= Bare fiber	<mark>05=</mark> 0.5m	N=Without Connector		
D= Dual Stage		B=Backward	5= 50/125um Fiber	5=50/125um Fibe	r 3= 3W	<i>Blank</i> for SST	E=10/130 DC Fiber	L= Loose Tube	<mark>10=</mark> 1.0m	FC/APC=FC/APC Connector		
H= H Stage		T=Twin	<i>Blank</i> for D Type	<i>Blank</i> for D&Y Type	5= 5W	or >2W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
					10=10W		<i>Blank</i> for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		



