1008nm High Power Bandpass Filter/Isolator Hybrid

FEATURES

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

APPLICATIONS

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

SPECIFICATIONS

Parameters		Unit	Single Stage	Dual Stage
Center Wavelength		nm	1008	
Min. Pass Band Width @ 0.5dB		nm	17.0	
Stop wavelength (ASE)		nm	960~993&1023~1100	
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	
PDL		dB	≤0.3	
Fiber Type	Input&Output	-	HI1060 Fiber or 10/125um SC Fiber (E)	
			10/125um DC Fiber (O), 15/130um DC Fiber (W)	
			20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
	ASE Guide Out (Y/X Type)	-	Same 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.

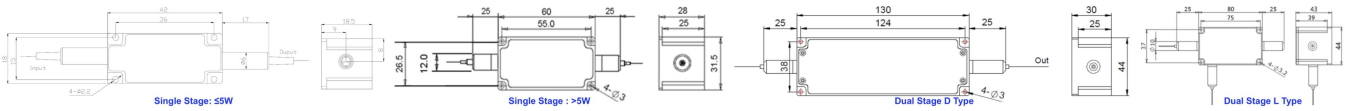
3. Suggest to use Y or X type if blocked optical power is >1W.

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)

FHBI-1008-(C)NNN(C) (C) - (C) (C) (C)-HPNN -(NN/NN) -(C) C NN - CC/CCC

Stage	Bandwidth	ASE Type	ASE Iso	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	170=17nm	B=Backward	I=High	Y=Same Fiber	Y=Same Fiber	Guide Out	05=500mW	1= 1W	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
L=L Type		T=Two-way	Isolation	A=105/125um Fiber	A=105/125um Fiber	Y=Yes	1= 1W	5= 5W	Q=20/130 DC 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	R=25/250 DC 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	Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector