

1560nm Bandpass Filter/Isolator Hybrid (<10nm BW)

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
Center Wavelength	nm	1560	
Min. Pass Band Width @ 0.5dB	nm	0.3, 0.7, 1.0, 2.0, 5.0	
Stop Wavelength (ASE)	0.3nm Bandwidth	nm	1520~1559 & 1561~1610
	0.7nm Bandwidth	nm	1520~1558.5 & 1561.5~1610
	1nm Bandwidth	nm	1520~1558.5 & 1561.5~1610
	2nm Bandwidth	nm	1520~1557.5 & 1562.5~1610
	3nm Bandwidth	nm	1520~1556 & 1564~1610
	5nm Bandwidth	nm	1520~1554 & 1566~1610
	7nm Bandwidth	nm	1520~1553 & 1567~1610
	10nm Bandwidth	nm	1520~1550 & 1570~1610
Stop Wavelength (ASE) Isolation	Standard	dB	≥25
	High Isolation	dB	≥50
Insertion Loss@23°C	dB	≤1.3	≤1.5
Signal Isolation (23°C)	dB	≥25	≥40
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	≤0.2	
Fiber Type	Input&Output	-	SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)
	ASE Guide Out (Y/X Type)	-	Same Fiber or MM Fiber
Max. Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	∅5.5xL35
Dimension	Metal Box	mm	L120xW12xH10

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - 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 optical power and configurations.

ORDERING INFORMATION (PN)

FHBI-1560-C NN	C	(C)	- (C)	(C)	- (C)	(C)	C	NN	-CC/CCC	
Stage	Bandwidth	ASE Type	ASE Iso	3rd Port Fiber	4th Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S= Single Stage	10=1nm	F= Forward	I=High	Y=Same Fiber	Y=Same Fiber	M= Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D= Dual Stage	20=2nm	B=Backward	Isolation	A=105/125um Fiber	A=105/125um Fiber	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	50=5nm	T=Two-way	Blank for	N=None	5=50/125um Fiber		G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	200=20nm	Standard	Blank for	Blank for D Type	Blank for None or D Type		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector