

1040nm Bandpass Filter/Isolator Hybrid

FEATURES

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

APPLICATIONS

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



SPECIFICATIONS

Parameters	Unit	Single Stage	Dual Stage
Center Wavelength	nm	1040	
Min. Pass Band Width @ 0.5dB	nm	2.0, 5.0, 8.0, 12	
Stop wavelength (ASE)	2nm Bandwidth	1000~1037&1043~1100	
	5nm Bandwidth	1000~1034&1046~1100	
	8nm Bandwidth	1000~1032&1048~1100	
	12nm Bandwidth	1000~1027&1053~1100	
Insertion Loss@23°C	dB	≤3.2	≤6.4
Signal Isolation (23°C)	dB	≥22	≥45
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	
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. Optical Power (CW)	mW	100	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	Φ5.5xL35
	Metal Box	mm	L120xW12xH10

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. 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.

4. Package size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

FHBI-1040-C	NNN	(C)	(C)	(C)	(C)	(C)	(C)	C	NN	-CC/CCC
<i>Stage</i>	<i>Bandwidth</i>	<i>ASE Type</i>	<i>ASE Iso</i>	<i>Fwd ASE Fiber</i>	<i>Dwd ASE Fiber</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
S= Single Stage	20=2nm	B=Backward	I=High	Y=Same Fiber	Y=Same Fiber	M=Metal Box	E=10/125 SC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D= Dual Stage	50=5nm	T=Two-way	Isolation	A=105/125um Fiber	A=105/125um Fiber	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	80=8nm	Blank for Forward	Blank for	N=None	S=50/125um Fiber		R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	120=12nm		Standard	Blank for D Type	Blank for None/D Type		Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector