

920nm Bandpass Filter/Partial Mirror 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	Value
Center Wavelength	nm	920
Min. Bandwidth@0.5dB	nm	2.0
Excess Loss	dB	≤1.3
Stop Wavelength (ASE)	nm	850~917&923~1000
Stop Wavelength (ASE) Isolation	dB	≥25
Reflective Ratio	%	1±0.6, 2±0.8, 5±1, 10, 20, 30, 40, 50, 80, 90
BP Position	-	Bandpass is before the Mirror
Configuration	-	D: 2-port, Y: 3-port, (Forward/Backward ASE Guide Out)
Optical Return Loss	dB	≥45
PDL	dB	≤0.15
Fiber Type	-	HI780 Fiber, 780-HP Fiber(7), 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)
Fiber Tensile Load	N	5
Max. Optical Power (CW)	mW	300
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	mm	∅5.5xL35
	mm	L120x ^W 12x ^H 10

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.7dB 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)

FHBR-NNNN - NN	(C)	NN	(C)	-	(C)	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength	Bandwidth	ASE Iso	Ref. Ratio	BP Position	3rd Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
920-920nm	20-2nm	I-High	01-1%	B-Backward	Y-Same Fiber	M-Metal Box	H-HI1060 Fiber	B- Bare fiber	05-0.5m	N-Without Connector
		Isolation	05-5%	Blank for	5-50/125um Fiber	Blank for SST	E-10/125um SC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
		Blank for	50-50%	Forward	Blank for D Type		R-25/250um DC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
		Standard	90-90%				Blank for HI780 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector