

## 1032nm High Power Bandpass Filter

### FEATURES

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

### APPLICATIONS

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



### SPECIFICATIONS

Parameters	Unit	Value	
Center Wavelength	nm	1032	
Min. Pass Band Width @ 0.5dB	nm	5.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop wavelength (ASE)	nm	960~1026&1038~1100	
Stop Wavelength	Standard	dB	≥25
(ASE) Isolation	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	≥50	
Polarization Dependent Loss	dB	≤0.15	
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
Fiber Tensile Load	N	5	
Max. Optical Power (CW, ASE+Signal)	W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60, 80, 100	
Max. ASE Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 4, 5, 10	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x <sup>L</sup> 35 (≤5W); ∅6.0x <sup>L</sup> 50 (5~10W)
	Metal Box	mm	H: <sup>L</sup> 90x <sup>W</sup> 12x <sup>H</sup> 10 (>10W); M: <sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 10 (≤10W)

**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/X type or H Box 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 optical power and configurations.

### ORDERING INFORMATION (PN)

FFBP-1032-NN(C)(C) (C) (C) - HP NN -(NN) -(C) (C) C NN -CC/CCC											
Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Optical Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
50-5nm	B=Backward	I=High	Y=Same Fiber	Y=Same Fiber	1-1W	1-1W	M=Metal Box	E=10/125 SC Fiber	B= Bare fiber	05-0.5m	N=Without Connector
	T=Two-way	Isolation	A=105/125um Fiber	A=105/125um Fiber	5-5W	5-5W	H=H Box	Q=20/130 DC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
	Blank for Forward	Blank for	N=None	5=50/125um Fiber	10-10W	10-10W	Blank for SST	R=25/250 DC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
		Standard	Blank for D Type	Blank for None or D Type	20-20W	Blank for 300mW		Blank for HI1060 Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector