

## 995nm Bandpass Filter for Pulse Power

### 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	995	
Min. Pass Band Width @ 0.5dB	nm	6.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop Wavelength (ASE)	nm	950~989&1001~1100	
Stop Wavelength (ASE) Isolation	Standard High Isolation	dB dB	≥25 ≥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 ASE Guide Out (Y/X Type)	- -	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) Same Fiber or MM Fiber
Fiber Tensile Load	N	5	
Max. Average Optical Power (ASE+Signal)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 50, 60, 80, 100	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Max. ASE Average Power	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) Metal Box	mm mm	∅5.5x <sup>L</sup> 35 (≤5W); ∅6.0x <sup>L</sup> 50 (5~10W) 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:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.5dB higher, RL is 5dB lower.
  - Suggest to use Y/X type or H Box if blocked optical power is ≥1W.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - 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)

FFBP-995-NN(C)(C) (C) (C) - H NN PNN -(NN) -(C) (C) C NN -CC/CCC												
Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Average Power	Peak Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
60-6nm	B-Backward T-Two-way	I-High Isolation	Y-Same Fiber A=105/125um Fiber	Y-Same Fiber A=105/125um Fiber	03-300mW 1-1W	01-100W 1-1kW	1-1W 5-5W	M-Metal Box H-H Box	E=10/125 SC Fiber Q=20/130 DC Fiber	B- Bare fiber L- Loose Tube	05-0.5m 10-1.0m	N-Without Connector FC/APC=FC/APC Connector
	Blank for Forward	Blank for	N=None	5-50/125um Fiber	5-5W	10-10kW	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 D Type	Blank for None or D Type	20-20W	20-20kW	Blank for 300mW		Blank for HI1060 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector

