

1550nm Bandpass Filter ($\geq 7\text{nm BW}$)

FEATURES

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

APPLICATIONS

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



SPECIFICATIONS

Parameters	Unit	Value	
Center Wavelength	nm	1550	
Min. Pass Band Width @ 0.5dB	nm	7, 10, 15, 20	
Insertion Loss over Pass Band Wavelength	dB	≤ 1.2	
Stop Band @ 25dB	7nm Bandwidth	1520~1543 & 1557~1610	
	10nm Bandwidth	1520~1540 & 1560~1610	
	15nm Bandwidth	1500~1537 & 1563~1610	
	20nm Bandwidth	1500~1533 & 1567~1610	
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	≤ 0.1	
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
Fiber Tensile Load	N	5	
Max. Optical Power (CW, ASE+Signal)	mW	300	
Operating Temperature	$^{\circ}\text{C}$	0~70	
Storage Temperature	$^{\circ}\text{C}$	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(\varnothing)5.5x35
	Metal Box	mm	(L)120x(W)12x(H)10

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB 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.

ORDERING INFORMATION (PN)

FFBP-1550-NN(C)	(C)	(C)	-(C)	(C)	C	NN	-CC/CCC	
Bandwidth	ASE Type	Fwd ASE Fiber	Bwd ASE Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
70=7nm	B=Backward	Y=Same Fiber	Y=Same Fiber	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
100=10nm	T=Two-way	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
150=15nm	Blank for Forward	N=None	S=50/125um Fiber		G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
200=20nm		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