

1550nm PM 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	Standard	High ER Type
Center Wavelength		nm	1550	
Min. Pass Band Width @ 0.5dB		nm	7, 10, 15, 20	
Insertion Loss over Pass Band Wavelength		dB	≤ 1.0	≤ 1.2
Stop Band @ 25dB	7nm Bandwidth	nm	1520~1543 & 1557~1610	
	10nm Bandwidth	nm	1520~1540 & 1560~1610	
	15nm Bandwidth	nm	1500~1537 & 1563~1610	
	20nm Bandwidth	nm	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	
Extinction Ratio		dB	≥ 18	≥ 20
Fiber Type	Input&Output	-	PM1550 Panda Fiber or 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)	
	ASE Guide Out (Y/X Type)	-	Same Fiber, Corr. SM Fiber or MM Fiber	
Fiber Tensile Load		N	5	
Max. Average Optical Power (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	$(\varnothing)5.5 \times 35$	
	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, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. High ER type can only work in slow axis.
 4. 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)

FPBP-1550-NN(C)	(C)	(C)	(C)	-(C)	C	C	NN	-CC/CCC	
Bandwidth	Type	ASE Type	Fwd ASE Fiber	Bwd ASE Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
70=7nm	R=High ER	B=Backward	Y=Same Fiber	Y=Same Fiber	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
100=10nm	Blank for	T=Two-way	S=Corr. SM Fiber	S=Corr. SM Fiber	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
150=15nm	Standard	Blank for Forward	N=None	A=105/125um Fiber		T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
200=20nm			Blank for D Type	Blank for None or D Type		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector