

# 1552nm PM Bandpass Filter

## 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	1552	
Min. Pass Band Width @ 0.5dB	nm	3.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.0	≤1.2
Stop Band @ 25dB	nm	1500~1549 & 1555-1610	
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	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)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, 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-1552-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
30=3nm	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
	Blank for Standard	T=Two-way Blank for Forward	S=Corr. SM Fiber	S=Corr. SM Fiber	Blank for SST	0=10/125 PMDC Fiber T=12/130 PMDC Fiber G=25/300 PMDC Fiber	L= Loose Tube 2= 2mm Cable 3= 3mm Cable	10=1.0m 15=1.5m 20=2.0m	FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector