

1553nm 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	1553	
Min. Pass Band Width @ 0.5dB	nm	5.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.0	≤1.2
Stop Band @ 25dB	nm	1500~1548 & 1558-1610	
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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - High ER type can only work in slow axis.
 - 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-1553-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
50=5nm	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
			N=None Blank for D Type	A=105/125um Fiber Blank for None or D Type					