

1560nm PM Bandpass Filter

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks



SPECIFICATIONS

Parameters	Unit	Standard	High ER Type
Center Wavelength	nm	1560	
Min. Pass Band Width @ 0.5dB	nm	0.3, 1.0, 2.0, 5.0, 10.0, 20.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.0	≤1.2
Stop Band @ 25dB	0.3nm Bandwidth	nm	1520-1559 & 1561~1610
	1nm Bandwidth		1520-1558.5&1561.5~1610
	2nm Bandwidth		1520~1557.5&1562.5~1610
	5nm Bandwidth		1520~1554 & 1566~1610
	10nm Bandwidth		1520~1550 & 1570~1610
	20nm Bandwidth		1520~1545 & 1575~1610
Configuration	D Type	-	2-port
	Y Type	-	3-port, (one-direction Blocked Wavelength Guide Out)
	X Type	-	4-port, (bi-direction Blocked Wavelength Guide Out)
Fiber Type at 3 rd or 4 th Port (for Y&X Type)	-	Same Fiber of other ports Corresponding SM Fiber or 50/125um MM Fiber	
Optical Return Loss	dB	≥50	
Extinction Ratio	dB	≥20	≥22
Fiber Type	-	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)	
Polarization Alignment	-	Slow Axis	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(∅)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 at pass port; Suggest to use Y or X type if blocked optical power is >1W.
 - 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-NNNN	- NN	(C)	(C)	(C)	- (C)	C	C	NN	-CC/CCC
Center Wavelength	Bandwidth	Type	3rd Port Fiber	4th Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1560=1560nm	20=2nm	R=High ER	Y=Same Fiber	Y=Same Fiber	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	50=5nm	Blank for	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
	100=10nm	Standard	5=50/125um Fiber	5=50/125um 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 D&Y Type		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

