

# 1570nm High Power PM Bandpass Filter

## FEATURES

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

## APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Research Labs

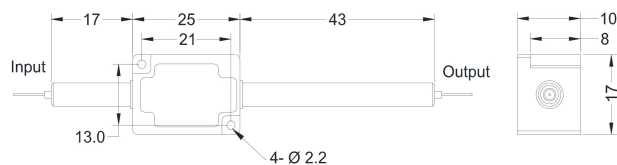


## SPECIFICATIONS

Parameters		Unit	Standard	High ER Type
Center Wavelength		nm	1570	
Min. Pass Band Width @ 0.5dB		nm	4.0, 9.0, 15.0	
Insertion Loss over Pass Band Wavelength		dB	≤1.0	≤1.2
Stop Band @ 25dB	4nm Bandwidth	nm	1520~1556 & 1574~1610	
	9nm Bandwidth	nm	1520~1560 & 1580~1610	
	15nm Bandwidth	nm	1520~1557 & 1583~1610	
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. Optical Power (CW, ASE+Signal)		W	1, 2, 3, 5, 10, 15, 20	
Max. ASE Optical Power (CW)		W	0.3, 0.5, 1, 2, 3, 4, 5, 10	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)	
	Metal Box	mm	(L)90x(W)12x(H)10 (>10W); (L)120x(W)12x(H)10 (≤10W)	

- 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; Suggest to use Y/X type or H Box if blocked optical power is ≥1W.
  - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  - 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.

## PACKAGE H (FOR HIGH ASE POWER)



## ORDERING INFORMATION (PN)

FPBP-1570-**NN(C)(C)** (C) (C) - **HP NN** -(**NN**) -(**C**) **C** **C** **NN** -**CC/CCC**

Bandwidth	Type	ASE Type	Fwd ASE Fiber	Bwd ASE Fiber	Optical Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
40=4nm	R=High ER	B=Backward	Y=Same Fiber	Y=Same Fiber	1= 1W	1= 1W	M=Metal Box	2=PM1550Fiber	B= Bare fiber	05=0.5m	N=Without Connector
90=9nm	Blank for	T=Two-way	S=Corr. SM Fiber	S=Corr. SM Fiber	5= 5W	5= 5W	H=H Box	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	10=10W	10=10W	Blank for SST	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		Blank for D Type	Blank for None or D Type	20=20W	Blank for 300mW			G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

