

1120nm PM Band Pass Filter

The 1120nm Band-pass Filter is based on thin-film filter technology that passes wavelengths within a certain range and rejects (attenuates) wavelengths outside that range. The band-pass filter features high isolation, low insertion loss, high power handling available upon request

Feature

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

Application

Broadband Systems
Optical Amplifying Systems
Telecommunication Networks
Metro Networks
CATV Networks

Specification

Parameters	Unit	Standard	High ER Type
Center Wavelength	nm	1120	
Min. Pass Band Width @ 0.5dB	nm	10	
Insertion Loss over Pass Band Wavelength	dB	≤1.2	≤1.4
Stop Band @ 30dB	nm	1030~1110&1130~1200	
Configuration	D Type	-	2-port
	Y Type	-	3-port, (Blocked Wavelength Guide Out)
Fiber Type at 3 rd Port (Only for Y Type)	-	105/125um MM Fiber, HI1060 Fiber or PM980 Panda Fiber	
Optical Return Loss	dB	≥50	
Extinction Ratio	dB	≥18	≥20
Fiber Type	-	PM980 Panda Fiber or 10/125um PM Fiber	
Polarization Alignment	-	Slow Axis	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2, 5, 10 or customer specify	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	

Package Dimension	mm	(Φ)5.5x35
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Note: 1. Specifications are for device without connectors; Specifications may change without notice.

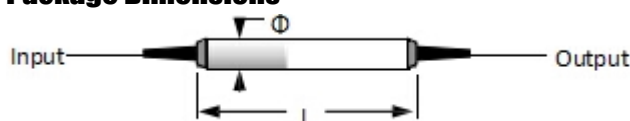
2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. High ER type can only work in slow axis at pass port; Suggest to use Y type if blocked optical power is >1W.

4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

5. Devices for higher optical power or with other type fiber or consigned fiber (For example: 6/125um, 20/125um or 25/250um, etc.) are also available; Devices can only work in the core of Double Cladding (DC) Fiber.

Package Dimensions



Ordering information

FPBP-	NNNN	- NNN	(C)	- (C)	- C	C	NN	- CC/CCC
	Center Wavelength	Bandwidth	Type	3rd Port Fiber	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	1120~1120nm	100~10nm	R-High ER Blank for Standard	Y- 105/125um Fiber P-PM980 Fiber H-H11060 Fiber E-10/125 PM Fiber O-10/125PMDC Fiber EH-10/125 Fiber OH-10/125DC Fiber Blank for D Type	2- PM980 Fiber E-10/125 PM Fiber O-10/125PMDC Fiber	B- Bare Fiber L- Loose Tube	10~1.0m 15~1.5m 20~2.0m	N-Without Connector FC/APC-FC/APC Connector LC/PC-LC/PC Connector