



# 1030nm High Power 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	1030	
Pass Band Width @ 0.5dB	nm	≥2.0	≥8.0
Insertion Loss over Pass Band Wavelength	dB	≤1.2	≤1.0
Stop Band @ 25dB	2nm Bandwidth	1000~1026&1034~1100	
	8nm Bandwidth	1000~1021&1041~1100	
Configuration	D Type	2-port	
	Y Type	3-port, (Blocked Wavelength Guide Out)	
Fiber Type at 3 <sup>rd</sup> Port (Only for Y Type)	-	105/125um MM Fiber, HI1060 Fiber or PM980 Panda Fiber 10/125um Fiber or 10/125um PM Fiber	
Optical Return Loss	dB	≥50	
Extinction Ratio	dB	≥18	≥20
Fiber Type	-	PM980 Panda Fiber or 10/125um PM Fiber	
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	

- 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.

## ORDERING INFORMATION

FPWM-	N	N	(C)	-	(C)	HP	NN	-	C	C	NN	-	CC/CCC
Center Wavelength	Bandwidth	Type	3rd Port Fiber	Optical Power	Fiber Type	Fiber Type	Fiber Length	Connector Type					
1030 =1030nm	20=2nm	R=High ER	Y= 105/125um Fiber	1=1W	2= PM980 Fiber	B= Bare Fiber	10=1.0m	N	=Without Connector				
	80= 8nm	Blank for Standard	P=PM980 Fiber	2= 2W	E=10/125 PM Fiber	L= Loose Tube	15=1.5m	FC/APC=FC/APC Connector					
			H=HI1060 Fiber	10=10W	O=10/125PMDC Fiber		20=2.0m	LC/PC =LC/PC Connector					
			E=10/125 PM Fiber										
			O=10/125PMDC Fiber										
			EH=10/125 Fiber										
			OH=10/125DC Fiber										