



# 1064nm 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	Value	
Center Wavelength	nm	1064	
Min. Pass Band Width @ 0.5dB	nm	+/-1	+/-4
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop Band @ 25dB	nm	1000~1058&1070~1100	1000~1053&1075~1100
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	≥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	

- 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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. Devices for higher optical power or with other type fiber (20/125um or 25/250um, etc) are also available.
  5. Devices can only work in the core of Double Cladding (DC) Fiber. Please contact us if need working in the Cladding.
  6. Suggest to use Y type if backward power is >1W.

## ORDERING INFORMATION

<b>FPWM-</b>	<b>NNNN</b>	<b>- NN</b>	<b>- (C)</b>	<b>HP NN</b>	<b>- C</b>	<b>C</b>	<b>NN</b>	<b>- CC/CCC</b>
<b>Center Wavelength</b>	<b>Bandwidth</b>	<b>3rd Port Fiber</b>	<b>Optical Power</b>	<b>Fiber Type</b>	<b>Fiber Sleeve</b>	<b>Fiber Length</b>	<b>Connector Type</b>	
1064= 1064nm	20= +/-1nm	Y= 105/125um Fiber	1=1W	2= PM980 Fiber	B= Bare Fiber	10=1.0m	N	=Without Connector
	80= +/-4nm	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						

Blank for D Type