



# 980/1030/1050/1060nm High Power PM WDM 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
Pass Channel Wavelength Range $\lambda_1$	nm	980+/-10	
Reflective Channel Wavelength Range $\lambda_2$	nm	1030+/-10	
		1050+/-10	
		1060+/-10	
Insertion Loss over $\lambda_1$ @ Pass Channel	dB	≤1.0	≤1.2
Insertion Loss over $\lambda_2$ @ Reflective Channel	dB	≤0.7	
Isolation over $\lambda_1$ @ Reflective Channel	dB	≥12	
Isolation over $\lambda_2$ @ Pass Channel	dB	≥25	
Optical Return Loss	dB	≥50	
Extinction Ratio	dB	≥20	≥22
Fiber Type	Common and Ref. Port	-	PM 980 Panda Fiber
	Pass Port (980nm)	-	PM 980 Panda Fiber or HI1060 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	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	mm	(Φ)5.5x35	

- Note:**
1. Specifications are for devices without the connectors
  2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, and ER will be 2dB lower, Optical Power will be only 1W.
  3. High ER type can only work in slow axis and fast axis is blocked.
  4. Devices for higher optical power and pulse power are also available per request.

## ORDERING INFORMATION

FPWM-NN	NN	- C	C	-HP	N	- N	C	NN	- CC/CCC
Reflective Wavelength	Pass Wavelength	Fiber at 980nm Port	Type	Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
03=1030nm	98=980nm	P= PM Panda Fiber	S=Standard	1=1W	2= 250um Panda Fiber	B= Bare Fiber	10=1.0m	N	=Without Connector
05=1050nm		H= HI1060 Fiber	H=High ER Type	2= 2W		L= Loose Tube	15=1.5m	FC/APC=FC/APC Connector	
06=1060nm				10=10W			20=2.0m	LC/PC =LC/PC Connector	