



# 980/1020~1092nm 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, 1020+/-5, 1030+/-10, 1040+/-10,	
Reflective Channel Wavelength Range $\lambda_2$	nm	1053+/-10, 1064+/-10, 1080+/-10, 1092+/-5	
Insertion Loss over $\lambda_1$ @ Pass Channel	dB	≤1.0	≤1.2
Insertion Loss over $\lambda_2$ @ Reflective Channel	dB	≤0.8	
Isolation over $\lambda_1$ @ Reflective Channel	dB	≥12	
Isolation over $\lambda_2$ @ Pass Channel	dB	≥25	
Optical Return Loss	dB	≥50	
Extinction Ratio	dB	≥18	≥20
Fiber Type	Common and Signal Port	PM980 Panda Fiber or 10/125um PM Fiber	
	Pump Port (980nm)	PM980 Panda Fiber or HI1060 Fiber 10/125um PM Fiber or 10/125um 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 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.
  5. High ER type can only work in slow axis at pass port.

## ORDERING INFORMATION

FPWM-NN	NN	- C(C)	C	- HP NN	- C	C	NN	- CC/CCC
Reflective Wavelength	Pass Wavelength	980nm Port Fiber	Type	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
03=1030nm	98=980nm	H= HI1060 Fiber	S=Standard	1=1W	2= PM980 Fiber	B= Bare Fiber	10=1.0m	N =Without Connector
04=1040nm	03=1030nm	E=10/125 PM Fiber	H=High ER Type	2= 2W	E=10/125 PM Fiber	L= Loose Tube	15=1.5m	FC/APC=FC/APC Connector
05=1053nm	04=1040nm	0=10/125PMDC Fiber		10=10W	0=10/125PMDC Fiber		20=2.0m	LC/PC =LC/PC Connector
06=1064nm	05=1053nm	EH=10/125 Fiber						
08=1080nm	06=1064nm	OH=10/125DC Fiber						
98=980nm	08=1080nm							