



1550/2000nm 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	Value	
Pass Channel Wavelength Range λ_1	nm	1950+/-30 2000+/-50 2050+/-20	
Reflective Channel Wavelength Range λ_2	nm	1520~1580	
Insertion Loss (PM1550 Fiber)	Pass Channel@ λ_1	dB	≤1.2
	Reflective Channel@ λ_2	dB	≤1.0
Insertion Loss (PM1950 Fiber)	Pass Channel@ λ_1	dB	≤2.1
	Reflective Channel@ λ_2	dB	≤2.0
Isolation	Pass Channel@ λ_2	dB	≥25
	Reflective Channel@ λ_1	dB	≥12
Optical Return Loss	dB	≥45	
Directivity	dB	≥50	
Extinction Ratio	dB	≥18	
Fiber Tensile Load	N	5	
Fiber Type	Common & Pass Port	-	PM1550 Panda Fiber or PM1950 Fiber
	Ref Port	-	SMF-28 Fiber or PM1550 Panda Fiber SM1950 Fiber or PM1950 Fiber
Maximum Optical Power (CW)	W	1, 3, 5, 10	
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 0.3dB 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 are also available.

ORDERING INFORMATION

FPWM-	NN	NN	-	C(C)	HP	NN	-	C	C	NN	-	CC/CCC
Reflective	Pass	1550nm Port Fiber	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type					
Wavelength	Wavelength	P= PM1550 Fiber	1= 1W	2= PM1550 Fiber	B= Bare Fiber	10=1.0m	N	=Without Connector				
15=1550nm	20=2000nm	S= SMF-28 Fiber	2= 2W	V= PM1950 Fiber	L= Loose Tube	15=1.5m	FC/APC=FC/APC Connector					
	95=1950nm	V= PM1950 Fiber	10=10W			20=2.0m	LC/PC =LC/PC Connector					
	25=2050nm	VS=SM1950 Fiber										