1020-1120/1310~1650nm PM WDM Filter

Features

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

Applications

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs

Specifications

Parameters		Unit	Standard	High Isolation
Pass Channel Wavelength Range λ1		nm	1310+/-20, 1530-1580, 1570-1610	
Reflective Channel Wavelength Range λ2		nm	1020+/-10, 1030+/-10, 1040+/-10, 1053+/-10, 1064+/-10, 1080+/-10, 1092+/-5, 1120+/-5	
Insertion Loss over λ1 @ Pass Channel		dB	≤1.0	≤1.2
Insertion Loss overλ2 @ Reflective Channel		dB	≤0.8	
Configuration	Y Type	-	3-port	
	X Type	-	4-port (2x2 WDM)	
Isolation over λ1 @ Reflective Channel		dB	≥12	
Isolation over λ2 @ Pass Channel		dB	≥25	≥45
Optical Return Loss		dB	≥50	
Extinction Ratio	Standard	dB	≥20	
	High ER Type	dB	≥22	
Fiber Type	Signal Port	-	PM1310/1550 Panda Fiber, PM980 Panda Fiber(H), 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (W), 25/250um PMDC Fiber (R)	
	Common & 1um Port		Same Fiber, PM980 Fiber or HI1060 Fiber	
Polarization Alignment		-	Slow Axis	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		mW	300	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5xL35	
	Metal Box	mm	L120xW12xH10	

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. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

4. High ER type can only work in slow axis at pass port.

Ordering Information (PN)

FPWM-NN NN - C (C) (C) C (C) -(C) C C NN - CC/CCC

Ref Wavelength	Pass Wavelength	1um Fiber	Ref. Fiber2	Comm Fiber	Type	Isolation	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
06=1064nm	15=1550nm	Y=Same Fiber	X=Same Fiber	Y=Same Fiber	S=Standard	I= High Iso	M=Metal Box	2=PM1310/1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
03=1030nm	59=1590nm	P=PM980 Fiber	P=PM980 Fiber	Blank for PM980	H=High ER	Blank for	Blank for SST	H=PM980 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
05=1053nm	13=1310nm	S=HI1060 Fiber	S=HI1060 Fiber	Fiber		Standard		O=10/125 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
12=1120nm			Blank for Y Type					R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector