1020~1120/1310~1590nm PM WDM Filter for Pulse Power

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FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks

SPECIFICATIONS

Parameters		Unit	Standard	High ER Type
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	
Optical Return Loss		dB	≥50	
Extinction Ratio		dB	≥18	≥20
Fiber Type	Signal Port	-	PM1310/1550 Panda Fiber, 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W), 25/250um PMDC Fiber (R),	
	Common & 1um Port		Same Fiber or PM980 Fiber	
Polarization Alignment		-	Slow Axis	
Fiber Tensile Load		N	5	
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)	
	Metal Box	mm	(L)90x(W)12x(H)10 (>10W); (L)120x(W)12x(H)10 (≤10W)	

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 are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

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

ORDERING INFORMATION (PN)

FPWM-NNNN - C (C) (C) C -H NN P NN -(C) C C NN -CC/CCC

Ref WL	Pass WL	1um Fiber	Ref. Fiber2	Comm Fiber	Type	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
06=1064nm	15=1550nm	Y=Same Fiber	X=Same Fiber	Y=Same Fiber	S=Standard	03=300mW	01=100W	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	1= 1W	1= 1kW	Blank for SST	O=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
05=1053nm	13=1310nm	S=HI1060 Fiber	S=HI1060 Fiber	Fiber		10=10W	10=10kW	or >10W	W=15/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
12=1120nm			Blank for Y Type			20=20W	20=20kW		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector