1480/1550/1590nm PM WDM Filter for Pulse Power

FEATURES

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

APPLICATIONS

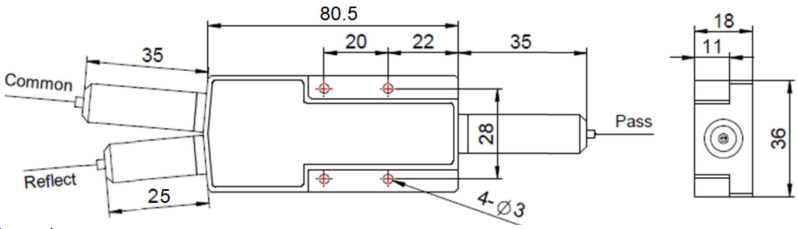
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Laser Systems
- Research Labs

SPECIFICATIONS

Parameters		Unit	Standard	High Isolation
Pass Channel Wavelength Range λ1		nm	1530-1580, 1570-1610	
Reflective Channel Wavelength Range λ2		nm	1450-1490	
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	≥18	
	High ER Type	dB	≥20	
Fiber Type		-	PM1550 Panda Fiber, 10/125um PMDC Fiber (O), 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)	
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, 30, 40, 50, 60	
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	Ø5.5xL38 (≤5W); Ø6.0xL50 (5~10W)	
	Metal Box	mm	L120xW12xH10 (≤10W)	

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; 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.

PACKAGE DIMENSION (>10W)



ORDERING INFORMATION (PN)

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

Ref Wavelength	Pass Wavelength	Pump Fiber	Mode	Pump Fiber2	Type	Isolation	Average Power	Peak Power	Average Power (Ref)	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
14=1480nm	15=1550nm	P= Same Fiber	M= Mux	P= Same Fiber	H= High ER	I= High Iso	03=300mW	01=100W	1= 1W	M=Metal Box	2=PM1550 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
15=1550nm	59=1590nm	S= Corr. SM Fiber	D= Demux	S= Corr. SM Fiber	*Blank* for	*Blank* for	1= 1W	1=1kW	2= 2W	*Blank* for SST	O=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
59=1590nm	14=1480nm		*Blank* for Both	*Blank* for Y Type	Standard	Standard	10=10W	10=10kW	5=5W	or >10W	T=12/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
							20=20W	20=20kW	*Blank* for Sameto Pass		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector