

1480/1550-1590nm High Power Pump 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 λ_1	nm	1530-1580, 1590+/-20	
Reflective Channel Wavelength Range λ_2	nm	1450-1490	
Insertion Loss	Pass Channel@ λ_1	dB	
	Reflective Channel@ λ_2	dB	
Configuration	Y Type	- 3-port	
	X Type	- 4-port (2x2 WDM)	
Isolation	Pass Channel@ λ_2	dB	≥ 25
	Reflective Channel@ λ_1	dB	≥ 12
Optical Return Loss	dB	≥ 45	
Directivity	dB	≥ 50	
Polarization Dependent Loss	dB	≤ 0.1	
Polarization Mode Dispersion	ps	≤ 0.1	
Fiber Type	-	SMF-28 Fiber, 10/130um DC Fiber (O), 12/130um DC Fiber (T), 20/130um DC Fiber (Q) 25/250um DC Fiber (R), 25/300um DC Fiber (G)	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	$\varnothing 5.5 \times L35$ ($\leq 5W$); $\varnothing 6.0 \times L50$ (5~10W)
	Metal Box	mm	H: $L90 \times W12 \times H10$ ($\geq 10W$); M: $L120 \times W12 \times H10$

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.

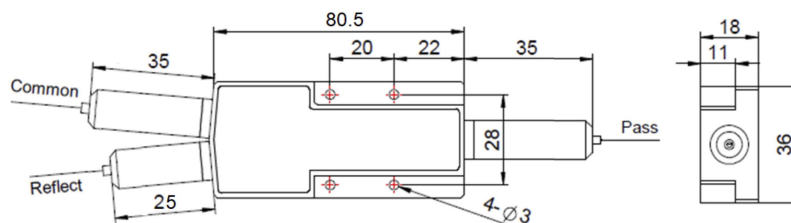
3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

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 the

Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

5. Package size may be different for different optical power and configurations.

PACKAGE DIMENSION (> 10W)



ORDERING INFORMATION (PN)

FFWM - **NN NN** - (C) (C) (C) -HPNN - (NN) -(C) (C) C NN -CC/CCC

Ref Wavelength	Pass Wavelength	Configuration	Mode	Isolation	Optical Power	Average Power (Ref)	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
14= 1480nm	15= 1550nm	X-X Type	M= Mux	I= High Iso	1=1W	1= 1W	M= Metal Box	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N= Without Connector
15= 1550nm	59= 1590nm	Blank for Y Type	D= Demux	Blank for	5=5W	2= 2W	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
59=1590nm	14= 1480nm		Blank for Both	Standard	10=10W	5=5W	or >10W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
					20=20W	Blank for Same to Pass		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/APC=SC/APC Connector