

980/1310~1590nm 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	1310+/-20, 1530-1580, 1570-1610	
Reflective Channel Wavelength Range λ_2		nm	965-1000	
Insertion Loss	Pass Channel@ λ_1	dB	≤ 1.0	
	Reflective Channel@ λ_2	dB	≤ 0.8	
Configuration	Y Type	-	3-port	
	X Type	-	4-port (2x2 WDM)	
Isolation	Pass Channel@ λ_2	dB	≥ 25	≥ 45
	Reflective Channel@ λ_1	dB	≥ 15	
Optical Return Loss		dB	≥ 45	
Directivity		dB	≥ 50	
Polarization Dependent Loss		dB	≤ 0.1	
Polarization Mode Dispersion		ps	≤ 0.1	
Fiber Type	Signal Port	-	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)	
	Common & Pump Port	-	Same Fiber or HI1060 Fiber	
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		mW	300	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	$\phi 5.5 \times L 35$	
	Metal Box	mm	$L 120 \times W 12 \times H 10$	

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.

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.

ORDERING INFORMATION (PN)

FFWM-NN	NN	-	C	(C)	(C)	(C)	- (C)	(C)	C	NN	- CC/CCC
Ref Wavelength	Pass Wavelength	Pump Fiber	Pump Fiber2	Common Fiber	Isolation	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
98~980nm	15~1550nm	Y=Same Fiber	X=Same Fiber	Y=Same Fiber	I=High Iso	M=Metal Box	O=10/130 DC Fiber	B=Bare Fiber	O5=0.5m	N=Without Connector	
15~1550nm	59~1590nm	H=HI1060 Fiber	H=HI1060 Fiber	Blank for HI1060 Fiber	Blank for	Blank for SST	T=12/130 DC Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
59~1590nm	13~1310nm		Blank for Y Type		Standard		R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
13~1310nm	98~980nm						Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	

