

980/1310~1590nm High Power WDM Filter

FEATURES

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

APPLICATIONS

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



SPECIFICATIONS

Parameters	Unit	Value
Pass Channel Wavelength Range λ_1	nm	1310+/-20, 1530-1580, 1590+/-20
Reflective Channel Wavelength Range λ_2	nm	965-1000
Insertion Loss	Pass Channel@ λ_1	≤1.0
	Reflective Channel@ λ_2	≤0.8
Configuration	Y Type	3-port
	X Type	4-port (2x2 WDM)
Isolation	Pass Channel@ λ_2	≥30
	Reflective Channel@ λ_1	≥15
Optical Return Loss		≥45
Directivity		≥50
Polarization Dependent Loss		≤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)	W	1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)
	Metal Box	(L)90x(W)18x(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.
 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.

ORDERING INFORMATION (PN)

FFWM-NN	NN	- C	(C)	(C)	-HP NN	- (C)	(C)	C	NN	-CC/CCC
Ref Wavelength	Pass Wavelength	Pump Fiber	Pump Fiber2	Common Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
98= 980nm	15= 1550nm	Y=Same Fiber	X=Same Fiber	Y=Same Fiber	1=1W	M=Metal Box	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
15= 1550nm	59= 1590nm	H=HI1060 Fiber	H=HI1060 Fiber	Blank for HI1060 Fiber	5=5W	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		10=10W	or >10W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
13=1310nm	98= 980nm				20=20W		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector