780~850/1310~1590nm 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 λ1		nm	780+/-10, 793+/-10, 810+/-10, 830+/-10, 850+/-10, 1310+/-20, 1550+/-20, 1590+/-20
Reflective Channel Wavelength Range λ2		nm	
Insertion Loss	Pass Channel@λ1	dB	≤1.8
	Reflective Channel@λ2	dB	≤1.8
Configuration	Y Type	-	3-port
	X Type	-	4-port (2x2 WDM)
Isolation	Pass Channel@λ2	dB	≥25
	Reflective Channel@λ1	dB	≥12
Optical Return Loss		dB	≥45
Directivity		dB	≥50
Polarization Dependent Loss		dB	≤0.2
Fiber Type	Signal	-	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		Same Fiber or HI780 Fiber
Fiber Tensile Load		N	5
Maximum Optical Power (CW)		mW	300
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35
	Metal Box	mm	(L)120x(W)12x(H)10

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.7dB 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.

5. 780~850nm light may transmit as low order modes in common port signal fiber.

ORDERING INFORMATION (PN)

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

Ref Wavelength	Pass Wavelength	Pump Fiber	Pump Fiber2	Comm. Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
79=793nm	15=1550nm	S= Same Fiber	X= Same Fiber	Y= Same Fiber	M=Metal Box	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
83=830nm	59=1590nm	Blank for HI780 Fiber	H=HI780 Fiber	Blank for HI780 Fiber	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
13=1310nm	78=780nm		Blank for Y Type			R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
15=1550nm	85=850nm					Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector