1020~1260/1310~1650nm 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 λ1		nm	1310±20, 1530-1580, 1570-1610, 1625±20, 1650±20	
Reflective Channel Wavelength Range λ2		nm	1020±10, 1030±10, 1040±10, 1053±10, 1064±10, 1080±10, 1092±10, 1120±10, 1230±10, 1250±10	
Insertion Loss	Pass Channel@λ1	dB	≤1.0	
	Reflective Channel@λ2	dB	≤0.8	
Configuration	Y Type	-	3-port	
	X Type	-	4-port (2x2 WDM)	
Isolation	Pass Channel@λ2	dB	≥25	≥45
	Reflective Channel@λ1	dB	≥12	
Optical Return Loss		dB	≥45	
Directivity		dB	≥50	
Polarization Dependent Loss		dB	≤0.15	
Fiber Type	Signal Port	-	SMF-28 Fiber, HI1060 Fiber (H) or 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 & 1um Port	-	Same Fiber or HI1060 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	Ø5.5xL35	
	Metal Box	mm	L120xW12xH10	

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

Ref Wavelength	Pass Wavelength	1um Fiber	Ref. Fiber2	Common Fiber	Isolation	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
06=1064nm	15= 1550nm	S=Same Fiber	X=Same Fiber	Y=Same Fiber	I= High Iso	M=Metal Box	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
03=1030nm	59= 1590nm	Blank for HI1060 Fiber	H=HI1060 Fiber	Blank for HI1060 Fiber	Blank for Standard	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
05=1053nm	13=1310nm		Blank for Y Type				R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
12=1120nm	16=1650nm						Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector