

980/1020-1150nm 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	980 \pm 10, 1020 \pm 5, 1030 \pm 10, 1040 \pm 10, 1053 \pm 10, 1064 \pm 10, 1070 \pm 10, 1080 \pm 10, 1092 \pm 5, 1120 \pm 5, 1150 \pm 5	
Reflective Channel Wavelength Range λ_2		nm		
Insertion Loss	Pass Channel@ λ_1	dB	\leq 1.0	
	Reflective Channel@ λ_2	dB	\leq 0.8	
Configuration	Y Type	-	3-port	
	X Type	-	4-port (2x2 WDM)	
Isolation	Pass Channel@ λ_2	dB	\geq 25	\geq 45
	Reflective Channel@ λ_1	dB	\geq 12	
Optical Return Loss		dB	\geq 45	
Directivity		dB	\geq 50	
Polarization Dependent Loss		dB	\leq 0.2	
Fiber Type		-	HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		mW	300	
Operating Temperature		$^{\circ}$ C	0~50	
Storage Temperature		$^{\circ}$ C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	\varnothing 5.5xL35	
	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	NN	-	CC/CCC
Ref Wavelength	Pass Wavelength		Configuration	Isolation	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
03-1030nm	98-980nm		X-X Type	I- High Iso	M-Metal Box	E-10/125 SC Fiber	B- Bare Fiber	05-0.5m	N-Without Connector		
06-1064nm	04-1040nm		Blank for Y Type	Blank for	Blank for SST	Q-20/130 DC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector		
12-1120nm	07-1070nm			Standard		R-25/250 DC Fiber	2-2mm Cable	15-1.5m	LC/PC=LC/PC Connector		
98-980nm	09-1092nm					Blank for HI1060 Fiber	3-3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector		