

C/L Band Supervisory 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	C Band (1510/1550nm)	L Band (1590/1625nm)
Pass Channel Wavelength Range λ_1		nm	1500-1520	1620-1630
Reflective Channel Wavelength Range λ_2		nm	1530-1570	1570-1605
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	
	Reflective Channel@ λ_1	dB	≥ 12	
Optical Return Loss		dB	≥ 45	
Directivity		dB	≥ 50	
Polarization Dependent Loss		dB	≤ 0.1	
Polarization Mode Dispersion		ps	≤ 0.1	
Fiber Type		-	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)	
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	(Ø)5.5x35	
	Metal Box	mm	(L)120x(W)12x(H)10	

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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	NN	- CC/CCC
Ref Wavelength	Pass Wavelength	Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
15= 1550nm	51= 1510nm	X=X Type	M=Metal Box	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector	
59= 1590nm	62=1625nm	Blank for Y Type	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10= 1.0m	FC/APC=FC/APC Connector	
51= 1510nm	15= 1550nm			R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector	
62=1625nm	59= 1590nm			Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	