C/L Band Supervisory WDM Filter for Pulse Power

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 λ1		nm	1500-1520	1620-1630
Reflective Channel Wavelength Range λ2		nm	1530-1570	1570-1605
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	
	Reflective Channel@λ1	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	
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Peak Power for pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)	
	Metal Box	mm	(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 0.3dB 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) -H NN P NN - (C) (C) C NN - CC/CCC

Ref Wavelength	Pass Wavelength	Configuration	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
15= 1550nm	51= 1510nm	X=X Type	03=300mW	01=100W	M=Metal Box	0=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
59= 1590nm	62=1625nm	*Blank* for Y Type	1= 1W	1= 1kW	*Blank* for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
51= 1510nm	15= 1550nm		10=10W	10=10kW	or >10W	R=25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC =LC/PC Connector
62=1625nm	59= 1590nm		20=20W	20=20kW		*Blank* for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector