

1550/2000nm 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	Value	
Pass Channel Wavelength Range λ_1	nm	1900±10, 1950±20, 2000±30, 2050±20, 2070±10	
Reflective Channel Wavelength Range λ_2	nm	1530±20, 1550±20, 1570±20, 1590±20	
Insertion Loss	Pass Channel@ λ_1	dB	≤1.4
	Reflective Channel@ λ_2	dB	≤1.4
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	≤0.2	
Fiber Type	Common & Pass Port	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)
	Ref Port (1550nm)		Same Fiber or SMF-28 Fiber
Fiber Tensile Load	N	5	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~8W)
Dimension	Metal Box	mm	(L)90x(W)12x(H)10 (>8W); (L)120x(W)12x(H)10 (≤8W)

- 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)	(C)	-H NN	P NN	-(C)	(C)	C	NN	- CC/CCC
Ref Wavelength	Pass Wavelength	Ref.1 Fiber	Ref.2 Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
53-1530nm	20-2000nm	S= SMF-28 Fiber	X= Sames Fiber	03=300mW	01=100W	M= Metal Box	V= SM1950 Fiber	B= Bare Fiber	05=0.5m	N= Without Connector
15-1550nm	19-1950nm	Blank for	S= SMF-28 Fiber	1= 1W	1= 1kW	Blank for SST	O= 10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
57-1570nm	25-2050nm	Same Fiber	Blank for Y Type	5=5W	10=10kW	or >8W	R= 25/250 DC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
59-1590nm	90=1900nm			10=10W	20=20kW		Blank for SMF-28 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector