

1900~1950/2050~2090nm WDM Filter for Pulse Power

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	2050 \pm 10, 2070 \pm 10, 2090 \pm 10	
Reflective Channel Wavelength Range λ_2	nm	1900 \pm 10, 1930 \pm 20, 1950 \pm 20	
Insertion Loss	Pass Channel@ λ_1	dB	
	Reflective Channel@ λ_2	dB	
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	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)	
Fiber Tensile Load	N	5	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 60	
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 Dimension	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~8W)
	Metal Box	mm	^L 120x ^W 12x ^H 10 (≤8W)

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

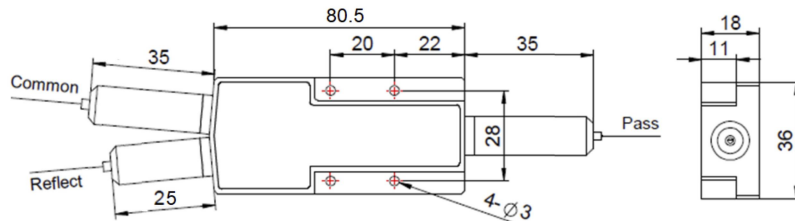
2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

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.

PACKAGE DIMENSION (> 10W)



ORDERING INFORMATION (PN)

Ref Wavelength	Pass Wavelength	Configuration	Mode	Isolation	Average Power	Peak Power	Average Power (Ref)	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
90~1900nm	25~2050nm	X-X Type	M= Mux	I= High Iso	03~300mW	01~100W	1= 1W	M= Metal Box	V= SM1950 Fiber	B= Bare Fiber	05=0.5m	N= Without Connector
93~1930nm	27~2070nm	Blank for Y Type	D= Demux	Blank for	1= 1W	1= 1kW	2= 2W	Blank for SST	O= 10/130 DC Fiber	L= Loose Tube	10= 1.0m	FC/APC=FC/APC Connector
19~1950nm	29~2090nm		Blank for Both	Standard	5~5W	10~10kW	5~5W	or >10W	R= 25/250 DC Fiber	2= 2mm Cable	15= 1.5m	LC/PC=LC/PC Connector
					10~10W	20~20kW	Blank for Same to Pass		Blank for SMF-28 Fiber	3= 3mm Cable	20= 2.0m	SC/APC=SC/APC Connector