

# 1970nm Bandpass Filter for Pulse Power

## FEATURES

- High Isolation
- Low Insertion Loss
- Various Bandwidth
- High Reliability and Stability

## APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs

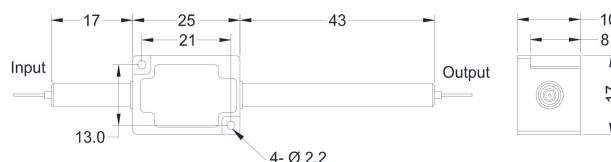


## SPECIFICATIONS

Parameters	Unit	Value	
Center Wavelength	nm	1970	
Min. Pass Band Width @ 0.5dB	nm	6.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.4	
Stop Band @ 25dB	nm	1900-1960 & 1980-2050	
ASE Direction	-	F: Forward, B: Backward, T: Two-way	
Configuration	-	D: 2-port, Y: 3-port, X: 4-port	
Optical Return Loss	dB	≥50	
Polarization Dependent Loss	dB	≤0.2	
Fiber Type	Input&Output	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)	
	ASE Guide Out (Y/X Type)	Same Fiber or MM Fiber	
Fiber Tensile Load	N	5	
Max. Average Optical Power (ASE+Signal)	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	
Max. ASE Average Power	W	0.3, 0.5, 1, 2, 3, 4, 5, 10	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~8W)
	Metal Box	mm	(L)90x(W)12x(H)10 (>8W); (L)120x(W)12x(H)10 (≤8W)

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
  - Suggest to use Y/X type or H Box if blocked optical power is ≥1W.
  - 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.

## PACKAGE H (FOR HIGH ASE POWER)



## ORDERING INFORMATION (PN)

Bandwidth	ASE Type	Fwd ASE Fiber	Bwd ASE Fiber	Average Power	Peak Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
60=6nm	B=Backward T=Two-way	Y=Same Fiber A=105/125um Fiber	Y=Same Fiber A=105/125um Fiber	03=300mW 1= 1W	01=100W 1= 1kW	1= 1W 5= 5W	M=Metal Box H=H Box	V=SM1950 Fiber O=10/130 DC Fiber	B= Bare fiber L= Loose Tube	05=0.5m 10=1.0m	N=Without Connector FC/APC=FC/APC Connector
		Blank for Forward N=None	5=50/125um Fiber	5= 5W	10= 10kW	10=10W	Blank for SST	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		Blank for D Type	Blank for None or D Type	10=10W 20=20kW	Blank for 300mW	Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		