

1970nm High Power Bandpass Filter

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FEATURES

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

APPLICATIONS

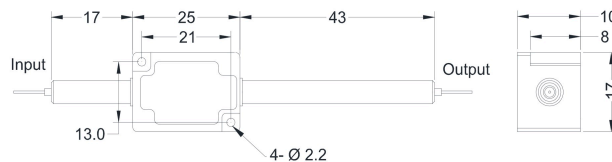
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs

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. Optical Power (CW, ASE+Signal)	W	1, 2, 3, 5, 10
Max. ASE Optical Power (CW)	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:**
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. Suggest to use Y/X type or H Box if blocked optical power is ≥1W.
 4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 5. 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	Optical Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
60-6nm	B=Backward	Y=Same Fiber	Y=Same Fiber	03-300mW	1- 1W	M=Metal Box	V=SM1950 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	T=Two-way	A=105/125um Fiber	A=105/125um Fiber	1- 1W	5- 5W	H=H Box	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	Blank for Forward	N=None	5=50/125um Fiber	5- 5W	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	Blank for 300mW		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

