

1969nm Bandpass 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	Value
Center Wavelength	nm	1969
Min. Pass Band Width @ 0.5dB	nm	9.0
Insertion Loss over Pass Band Wavelength	dB	≤1.4
Stop Wavelength (ASE)	nm	1900-1957 & 1981-2050
Stop Wavelength (ASE) Standard	dB	≥25
Isolation High Isolation	dB	≥45
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	≤0.15
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, 15, 20
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 ∅5.5xL35 (≤5W); ∅6.0xL50 (5~10W)
	Metal Box	mm H: L90xW12xH10 (>10W); M: L120xW12xH10 (≤10W)

- 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 size may be different for different optical power and configurations.

ORDERING INFORMATION (PN)

Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Average Power	Peak Power	ASE Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
90-9nm	B=Backward T=Two-way	I=High Isolation	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	Blank for	N=None Blank for D Type	5=50/125um Fiber Blank for None or D Type	5- 5W 10=10W	10- 10kW 20=20kW	10=10W Blank for 300mW	Blank for SST	R=25/250 DC Fiber Blank for SMF-28 Fiber	2- 2mm Cable 3- 3mm Cable	15=1.5m 20=2.0m	LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector

