

1310nm 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	1310	
Min. Pass Band Width @ 0.5dB	nm	2.5. 15	
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop Wavelength (ASE)	2.5nm Bandwidth	nm	1250~1307 & 1313-1430
	15nm Bandwidth	nm	1250~1298 & 1322-1430
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 10/130um DC Fiber NA=0.08 (O)
		-	10/130um DC Fiber NA=0.15 (O2) or 12/130um DC Fiber (T)
	ASE Guide Out (Y/X Type)	-	25/250um DC Fiber (R) or 25/300um DC Fiber (G)
Fiber Tensile Load	N	5	
Max. Average Optical Power (ASE+Signal)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 50, 60, 80, 100	
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	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	mm	H: ^L 90x ^W 12x ^H 10 (>10W); M: ^L 120x ^W 12x ^H 10 (≤10W)

- 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.
 - 6 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
25-2.5nm	B-Backward	I=High	Y=Same Fiber	Y=Same Fiber	03-300mW	01-100W	1- 1W	M=Metal Box	O=10/130 DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
150-15nm	T=Two-way	Isolation	A=105/125um Fiber	A=105/125um Fiber	1- 1W	1- 1kW	5- 5W	H=H Box	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	Blank for Forward	Blank for	N=None	5=50/125um Fiber	5- 5W	10- 10kW	10=10W	Blank for SST	G=25/300 DC Fiber	2- 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	Standard	Blank for D Type	Blank for None/D Type	20=20W	20=20kW	Blank for 300mW			Blank for SMF-28 Fiber	3- 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

