

1302nm 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	1302
Min. Pass Band Width @ 0.5dB	nm	16.0
Insertion Loss over Pass Band Wavelength	dB	≤1.2
Stop Wavelength (ASE)	nm	1250~1290 & 1314-1410
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) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)
	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, 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)	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~10W)
	Metal Box	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)

FFBP-1302-NNN(C)(C)-(C) (C) -H NN P NN -(NN) -(C) (C) C NN - CC/CC

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
160-16nm	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	O=10/130 DC Fiber T=12/130 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/D Type	5=5W 20=20W	10=10kW 20=20kW	10=10W Blank for 300mW	Blank for SST	G=25/300 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

