

1471nm Bandpass Filter

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	1471	
Min. Pass Band Width @ 0.5dB	nm	15.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.2	
Stop Wavelength (ASE)	nm	1350~1459 & 1483-1580	
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. Optical Power (CW, ASE+Signal)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35
	Metal Box	mm	^L 120x ^W 12x ^H 10

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

ORDERING INFORMATION (PN)

FFBP-1471-NNN (C) (C) - (C) (C) - (C) C C NN - CC/CCC

Bandwidth	ASE Type	ASE Iso	Fwd ASE Fiber	Bwd ASE Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
150~15nm	B=Backward T=Two-way	I=High Isolation	Y=Same Fiber A=105/125um Fiber N=None Blank for D Type	Y=Same Fiber A=105/125um Fiber 5=50/125um Fiber Blank for None/D Type	M=Metal Box Blank for SST	O=10/130 DC Fiber T=12/130 DC Fiber G=25/300 DC Fiber Blank for SMF-28 Fiber	B= Bare fiber L= Loose Tube 2= 2mm Cable 3= 3mm Cable	05=0.5m 10=1.0m 15=1.5m 20=2.0m	N=Without Connector FC/APC=FC/APC Connector LC/PC=LC/PC Connector SC/UPC=SC/UPC Connector