

## 2040nm 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	2040
Min. Pass Band Width @ 0.5dB		nm	10.0
Insertion Loss over Pass Band Wavelength		dB	≤1.4
Stop Wavelength (ASE)		nm	1970-2028 & 2052-2100
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. Optical Power (CW, ASE+Signal)		mW	300
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	∅5.5xL35
	Metal Box	mm	L120x <sup>W</sup> 12x <sup>H</sup> 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-2040- <b>NNN</b> (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
100-10nm	B-Backward	I-High	Y-Same Fiber	Y-Same Fiber	M-Metal Box	V-SM1950 Fiber	B- Bare fiber	05=0.5m	N=Without Connector
	T=Two-way	Isolation	A=105/125um Fiber	A=105/125um Fiber	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	Blank for Forward	Blank for	N=None	5=50/125um Fiber		R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		Standard	Blank for D Type	Blank for None or D Type		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector