

## 778nm 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	778	
Min. Pass Band Width @ 0.5dB	nm	2.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.6	
Stop wavelength (ASE)	nm	700-774&782-850	
Stop Wavelength (ASE) Isolation	Standard High Isolation	dB dB	≥25 ≥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 ASE Guide Out (Y/X Type)	- -	HI780 Fiber or 780-HP Fiber(7) 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) Metal Box	mm mm	∅5.5xL35 L120xW12xH10

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.7dB 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)

<b>FFBP-778-NN(C)</b>	<b>(C)</b>	<b>-</b>	<b>(C)</b>	<b>(C)</b>	<b>(C)</b>	<b>C</b>	<b>NN</b>	<b>-CC/CCC</b>	
<i>Bandwidth</i>	<i>ASE Type</i>	<i>ASE Iso</i>	<i>Fwd ASE Fiber</i>	<i>Invd ASE Fiber</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
20~2nm	B=Backward T=Two-way Blank for Forward	I=High Isolation Blank for Standard	Y=Same Fiber A=105/125um Fiber N=None Blank for D Type	Y=Same Fiber A=105/125um Fiber S=50/125um Fiber Blank for None or D Type	M=Metal Box Blank for SST	7=780-HP Fiber Blank for HI780 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