

## 778nm PM 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	Standard	High ER Type
Center Wavelength	nm	778	
Min. Pass Band Width @ 0.5dB	nm	2.0	
Insertion Loss over Pass Band Wavelength	dB	≤1.6	≤1.8
Stop Wavelength (ASE)	nm	700-774&782-850	
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	
Extinction Ratio	dB	≥18	≥20
Fiber Type Input&Output	-	PM780-HP Fiber(7) or PM850 Fiber	
Fiber Type ASE Guide Out (Y/X Type)	-	Same Fiber, Corr. SM 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	
Package Dimension Metal Box	mm	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, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. High ER type can only work in slow axis.
  4. 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.
  5. Package size may be different for different optical power and configurations.

### ORDERING INFORMATION (PN)

<b>FPBP-778-NN(C)</b>	<b>(C)</b>	<b>(C)</b>	<b>- (C)</b>	<b>(C)</b>	<b>- (C)</b>	<b>C</b>	<b>C</b>	<b>NN</b>	<b>-CC/CCC</b>	
<i>Bandwidth</i>	<i>Type</i>	<i>ASE Type</i>	<i>ASE Iso</i>	<i>Fwd ASE Fiber</i>	<i>Byrd ASE Fiber</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
20~2nm	R=High ER	B=Backward	I=High	Y=Same Fiber	Y=Same Fiber	M=Metal Box	2=PM850Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	Blank for	T=Two-way	Isolation	S=Corr. SM Fiber	S=Corr. SM Fiber	Blank for SST	7=PM780-HP Fiber	L= Loose Tube	10=1.0m	FC/APC-FC/APC Connector
	Standard	Blank for Forward	Blank for	N=None	A=105/125um Fiber			2= 2mm Cable	15=1.5m	LC/PC-LC/PC Connector
			Standard	Blank for D Type	Blank for None or D Type			3= 3mm Cable	20=2.0m	SC/UPC-SC/UPC Connector