

## 1018nm Band Pass Filter

1018nm Band Pass Filter is a fiber passive component which is based on thin-film filter technology, it can be used to pass specific wavelength range and block the unwanted wavelength range, It's widely used in fiber laser and fiber testing system, the high power type is also available upon request.

### Application:

Fiber Laser  
Testing System  
Fiber Optic Sensor  
Lab And Research

### Features:

Low Insertion Loss  
High Isolation  
High Power  
High Reliability



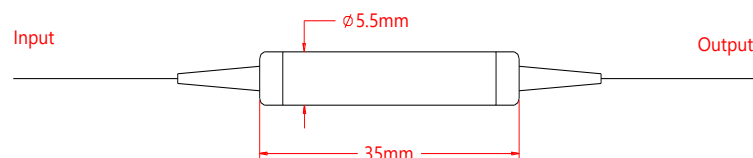
### Specification:

| Parameter                        | Symbol    | Value         | Unit |
|----------------------------------|-----------|---------------|------|
| Center Wavelength                | $\lambda$ | 1018          | nm   |
| Min. Pass Bandwidth @0.5dB       | BW        | 2             | nm   |
| Max. Stop Bandwidth @25dB        | BW        | 8             | nm   |
| Max. Insertion Loss              | IL        | 0.8           | dB   |
| Min. Isolation                   | Iso       | 25            | dB   |
| Max. Polarization Dependent Loss | PDL       | 0.15          | dB   |
| Min. Return Loss                 | RL        | 50            | dB   |
| Max. Optical Power (CW)          | P         | 500           | mW   |
| Max. Tensile Load                |           | 5             | N    |
| Fiber Type                       |           | HI 1060 fiber | -    |
| Operating Temperature            | T         | -5~70         | °C   |
| Storage Temperature              | T         | -40~85        | °C   |
| Package Dimension                |           | Φ5.5xL35      | mm   |

Notice: Above specifications are tested at center wavelength without connector in room temperature @23°C.

For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

### Drawing:



### Ordering Information (Part Number):

| BPF- <b>WWWW</b> - <b>PPSS</b> - <b>J</b> - <b>LL</b> - <b>CC</b> |                                             |                                                                                              |                                                                  |                                                                                                                     |
|-------------------------------------------------------------------|---------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>WWWW</b>                                                       | <b>PPSS</b>                                 | <b>J</b>                                                                                     | <b>LL</b>                                                        | <b>CC</b>                                                                                                           |
| Wavelength                                                        | Pass Band & Stop Band                       | Fiber Jacket                                                                                 | Fiber Length                                                     | Connector                                                                                                           |
| 1018 - 1018nm<br>SSSS - Specify                                   | 0208 - 2nm Pass, 8nm Stop<br>SSSS - Specify | B - 250um Bare Fiber<br>9 - 900um Loose Tube<br>2 - 2.0mm Loose Tube<br>3 - 3.0mm Loose Tube | 05 - 0.5m<br>10 - 1.0m<br>15 - 1.5m<br>20 - 2.0m<br>SS - Specify | NE - None<br>FA - FC/APC<br>FU - FC/UPC<br>SA - SC/APC<br>SU - SU/APC<br>LA - LC/APC<br>LU - LC/UPC<br>SS - Specify |