

## 780/1080nm 1x2 PM Fused WDM

780/1080nm 1x2 PM Fused WDM (Wavelength Division Multiplexer) is a fiber component built with FBT technology, it can be used to separate or combine 780nm and 1080nm wavelength signal with PM Panda fiber, it's widely used in Fiber Laser Systems and Optical Testing Systems, the high power type is available upon request.

### Application:

Fiber Laser  
Testing System  
Optical Diffraction System  
Lab And Research

### Features:

Epoxy Free  
High Isolation  
Low Insertion Loss  
Optical Path Reversibility



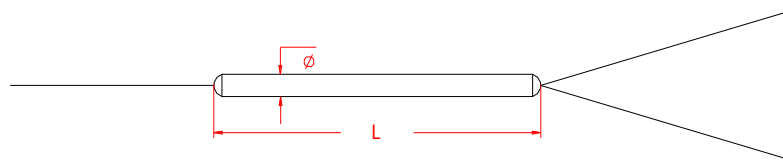
### Specification:

| Parameter                                | Symbol    | Value              | Unit |
|------------------------------------------|-----------|--------------------|------|
| Wavelength                               | $\lambda$ | 780/1080           | nm   |
| Bandwidth                                | BW        | 780±5/1080±5       | nm   |
| Max. Insertion Loss                      | IL        | 1.2                | dB   |
| Min. Isolation (for Wavelength separate) | Iso       | 18                 | dB   |
| Min. Extinction Ratio                    | ER        | 18                 | dB   |
| Min. Directivity                         |           | 50                 | dB   |
| Min. Return Loss                         | RL        | 50                 | dB   |
| Max. Optical Power (CW)                  | P         | 500                | mW   |
| Max. Tensile Load                        |           | 5                  | N    |
| Fiber Type                               |           | PM 980 Panda Fiber | -    |
| Operating Temperature                    | T         | -5~75              | °C   |
| Storage Temperature                      | T         | -40~85             | °C   |
| Package Dimension                        |           | Φ3.0×L54           | 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, ER will be 2dB lower, slow axis is default aligned to the connector key.

### Drawing:



### Ordering Information (Part Number):

PFUW-**WWW/WWW**-**FF**-**J**-**LL**-**CC**

| <b>WWW/WWW</b>        | <b>FF</b>         | <b>J</b>             | <b>LL</b>    | <b>CC</b>    |
|-----------------------|-------------------|----------------------|--------------|--------------|
| Wavelength            | Fiber Type        | Fiber Jacket         | Fiber Length | Connector    |
| 780/1030 - 780/1030nm | P9 - PM 980 Fiber | B - 250um Bare Fiber | 05 - 0.5m    | NE - None    |
| 780/1040 - 780/1040nm | SS - Specify      | 9 - 900um Loose Tube | 10 - 1.0m    | FA - FC/APC  |
| 780/1050 - 780/1050nm |                   |                      | 15 - 1.5m    | FU - FC/UPC  |
| 780/1064 - 780/1064nm |                   |                      | 20 - 2.0m    | SA - SC/APC  |
| 780/1080 - 780/1080nm |                   |                      | SS - Specify | SU - SU/APC  |
|                       |                   |                      |              | LA - LC/APC  |
|                       |                   |                      |              | LU - LC/UPC  |
|                       |                   |                      |              | SS - Specify |