

## 1550/2000nm 1x2 Fused WDM

1550/2000nm Fused Wavelength Division Multiplexer is a fiber component built with FBT technology, it can be used to separate or combine 1550nm and 2000nm wavelength signal, it's widely used in Fiber Laser Systems and Fiber Amplifier Systems, the higher power type up to 20W is available upon request.

### Application:

Fiber Laser  
EDFA  
Optical Diffraction System  
Lab And Research

### Features:

Epoxy Free  
High Isolation  
Low Insertion Loss  
Optical Path Reversibility



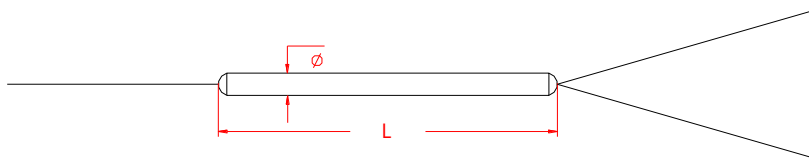
### Specification:

| Parameter                        | Symbol    | Value                         | Unit |
|----------------------------------|-----------|-------------------------------|------|
| Wavelength                       | $\lambda$ | 1550/2000                     | nm   |
| Bandwidth                        | BW        | 1550±20/2000±20               | nm   |
| Max. Insertion Loss              | IL        | 0.7                           | dB   |
| Min. Isolation                   | Iso       | 13@2000nm, 17@1550nm          | dB   |
| Max. Polarization Dependent Loss | PDL       | 0.15                          | dB   |
| Min. Directivity                 |           | 55                            | dB   |
| Min. Return Loss                 | RL        | 50                            | dB   |
| Max. Optical Power (CW)          | P         | 2 (higher power is available) | W    |
| Max. Tensile Load                |           | 5                             | N    |
| Fiber Type                       |           | SMF-28e or SM 1950 fiber      | -    |
| Operating Temperature            | T         | -5~70                         | °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, RL will be 5dB lower, Connectors only 1W CW optical power guarantee.

### Drawing:



### Ordering Information (Part Number):

| FUWDM- <b>WWW/WWW</b> - <b>PP</b> - <b>FF</b> - <b>J</b> - <b>LL</b> - <b>CC</b> |                      |                              |                                              |                                                                  |                                                                                                                     |
|----------------------------------------------------------------------------------|----------------------|------------------------------|----------------------------------------------|------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| <b>WWW/WWW</b>                                                                   | <b>PP</b>            | <b>FF</b>                    | <b>J</b>                                     | <b>LL</b>                                                        | <b>CC</b>                                                                                                           |
| Wavelength                                                                       | Port                 | Fiber Type                   | Fiber Jacket                                 | Fiber Length                                                     | Connector                                                                                                           |
| 1550/2000 - 1550/2000nm                                                          | 12 - 1x2<br>22 - 2x2 | S2 - SMF-28e<br>S1 - SM 1950 | B - 250um Bare Fiber<br>9 - 900um 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 |