

1310/1550nm 1x2 Fused WDM

1310/1550nm Fused Wavelength Division Multiplexer is a fiber component built with FBT technology, it can be used to separate or combine 1310nm and 1550nm wavelength signal, it's widely used in Fiber Laser Systems and Fiber Amplifier Systems, the high power type 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



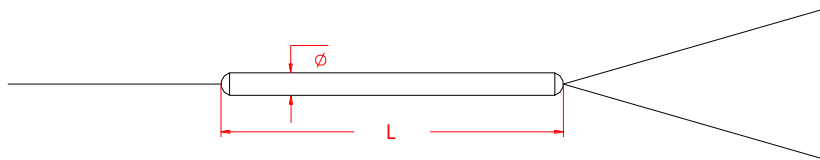
Specification:

| Parameter | Symbol | Value | Unit |
|----------------------------------|-----------|-----------------|------|
| Wavelength | λ | 1310/1550 | nm |
| Bandwidth | BW | 1310±15/1550±15 | nm |
| Max. Insertion Loss | IL | 0.2 | dB |
| Min. Isolation | Iso | 17 | dB |
| Max. Polarization Dependent Loss | PDL | 0.1 | dB |
| Min. Directivity | | 55 | dB |
| Min. Return Loss | RL | 55 | dB |
| Max. Optical Power (CW) | P | 2 | W |
| Max. Tensile Load | | 5 | N |
| Fiber Type | | SMF-28e | - |
| Operating Temperature | T | -20~70 | °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- WWW/WWW - PP - FF - D - J - LL - CC | | | | | | |
|---|----------------------|------------------------------|---|--|--|---|
| WWW/WWW | PP | FF | D | J | LL | CC |
| Wavelength | Port | Fiber Type | Package Dimension | Fiber Jacket | Fiber Length | Connector |
| 1310/1550 - 1310/1550nm | 12 - 1x2 22 - 2x2 | S2 - SMF-28e SS - Specify | 1 - Φ3.0×L54mm A - 90x20x10mm S - Specify | B - 250um Bare Fiber 9 - 900um Loose Tube 2 - 2.0mm Loose Tube 3 - 3.0mm Loose Tube | 05 - 0.5m 10 - 1.0m 15 - 1.5m 20 - 2.0m SS - Specify | NE - None FA - FC/APC FU - FC/UPC SA - SC/APC SU - SU/APC LA - LC/APC LU - LC/UPC SS - Specify |