

# FBF-C•Band Bandpass WDM Filter

Fiberdyne Labs FBF-C•Band Bandpass WDM Filter provides an option to separate the DWDM C-Band (1528.5-1565nm) bandwidth from existing traffic. The FBF-C•Band is available as a standalone filter, multiple filters installed into custom modules, or it can be incorporated into DWDM or CWDM multiplexer modules as express ports.

**Features:**

- High Isolation
- Low Insertion Loss
- RoHS Compliant
- Telcordia GR-1209 and GR-1221 Compliant

**Applications:**

- DWDM or CWDM
- Local Area Networks
- FTTH Networks


**Specifications:**

| Parameters                            | Specification             |
|---------------------------------------|---------------------------|
| Pass Channel Wavelength Range (nm)    | 1528.5-1565               |
| Reflect Channel Wavelength Range (nm) | 1260-1517.5 & 1582.5-1620 |
| Insertion Loss Pass Channel (dB)      | ≤ 0.6                     |
| Insertion Loss Reflect Channel (dB)   | ≤ 0.4                     |
| Isolation Pass Channel (dB)           | ≥ 30                      |
| Isolation Reflect Channel (dB)        | ≥ 15                      |
| PDL Pass Channel (dB)                 | ≤ 0.1                     |
| PDL Reflect Channel (dB)              | ≤ 0.1                     |
| Directivity (dB)                      | ≥ 50                      |
| Return Loss (dB)                      | ≥ 45                      |
| Dimensions (mm)                       | ∅ 5.5 x 38                |
| Connector Type                        | See Ordering Grid         |
| Fiber Length (m)                      | ≥ 1.0                     |
| Fiber Type                            | G657A1                    |
| Operating Temperature (°C)            | -5 to +75                 |
| Storage Temperature (°C)              | -40 to +85                |

**Ordering Information:**

| FBF         | - | CBAND | - | X              | X                 | X                   | X                |
|-------------|---|-------|---|----------------|-------------------|---------------------|------------------|
| F=Fiberdyne |   |       |   | <b>Package</b> | <b>Fiber Type</b> | <b>Fiber Length</b> | <b>Connector</b> |
| B=Bandpass  |   |       |   | 1=Steel Tube   | 1=250µm           | 0= 0.5m             | 0= None          |
| F= Filter   |   |       |   | H= Heavy Duty  | 9= 900µm          | 1= 1.0m             | 1= FC/UPC        |
|             |   |       |   |                | 2=2mm             | Y= Custom           | 6=SC/UPC         |
|             |   |       |   |                | 3=3mm             |                     | 7=FC/UPC         |
|             |   |       |   |                |                   |                     | A=FC/APC         |
|             |   |       |   |                |                   |                     | B=SC/APC         |
|             |   |       |   |                |                   |                     | L=LC/UPC         |
|             |   |       |   |                |                   |                     | N=LC/APC         |
|             |   |       |   |                |                   |                     | Y=Custom         |

**Package Dimensions:**

