

## Flyin 3 Ports FWDM (1310/1490/1550nm)

Flyin Optronics' Micro-Optical WDM utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, low temperature sensitivity and epoxy free optical path.

### Features

- Wide Operating Wavelength Range
- Low Insertion Loss
- Ultra Flat Wide Passband
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path



### Applications

- Testing Instruments
- FTTH Tri-Play System

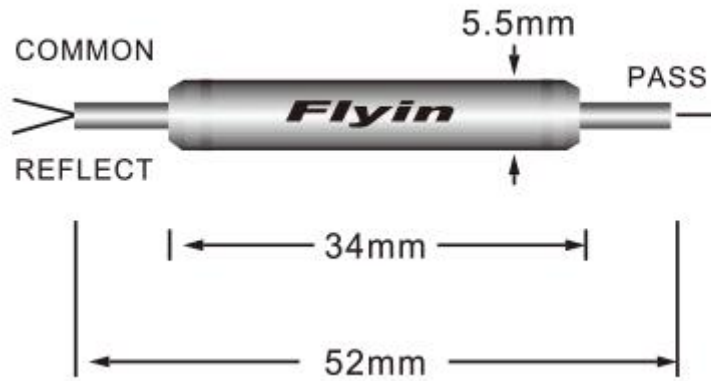
### Performance Specifications

| Parameter                                      | FWDM 4/35                          | FWDM 5/34 | FWDM3/45  | FWDM 34/5           |
|--|------------------------------------|-----------|-----------|---------------------|
| Pass Band Wavelength Range (nm)                | 1480~1500                          | 1540~1560 | 1260~1360 | 1260~1360&1480~1500 |
| Reflection Band 1 Wavelength Range (nm)        | 1260~1360                          | 1260~1360 | 1480~1500 | 1540~1560           |
| Reflection Band 2 Wavelength Range (nm)        | 1540~1560                          | 1480~1500 | 1540~1560 |                     |
| Insertion loss (dB)                            | Reflect Channel                    | ≤0.6      |           |                     |
|  | Pass Channel                       | ≤0.8      |           |                     |
| Pass Band Rippler (dB)                         | <0.3                               |           |           |                     |
| Isolation(dB)                                  | Reflect Channel                    | >15       |           |                     |
|  | Pass Channel                       | >30       |           |                     |
| Insertion Loss Temperature Sensitivity (dB/°C) | <0.005                             |           |           |                     |
| Polarization Dependent Loss (dB)               | <0.1                               |           |           |                     |
| Polarization Mode Dispersion (ps)              | <0.1                               |           |           |                     |
| Directivity (dB)                               | >50                                |           |           |                     |
| Return loss (dB)                               | >50                                |           |           |                     |
| Maximum Power Handling (mW)                    | 500                                |           |           |                     |
| Operating Temperature (°C)                     | -20~+70                            |           |           |                     |
| Storage Temperature (°C)                       | -40~+85                            |           |           |                     |
| Package Dimension (mm)                         | Φ5.5x34 (L38 for 900um Loose tube) |           |           |                     |

Specification may change without notice.

Above specification are for device without connector.

### Package Dimension



### Ordering Information

| FWDM | XX   | X                                  | X                         | XX  |
|------|--|------------------------------------|---------------------------|---|
|      | Wavelength   | Fiber Type                         | Fiber Length              | In/Out Connector  |
|      | 4/35=1490 pass/1310&1550 reflect<br>5/34=1550 pass/1310&1490 reflect<br>34/5=1310&1490 pass/1550 reflect | 1=Bare fiber<br>2=900um loose tube | 1=1m<br>2=2m<br>S=Specify | 0=None<br>1=FC/APC<br>2=FC/PC<br>3=SC/APC<br>4=SC/PC<br>5=ST<br>6=LC/PC<br>7=LC/APC<br>8=E2000<br>S=Specify |