

## Flyin 8+1-Channel CWDM Mux+Demux in 1U Rackmount

Flyin Optronics' Coarse wavelength division multiplexer (CWDM Mux/Demux) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro optics packaging. It provides low insertion loss, high channel isolation, wide pass band, low temperature sensitivity and epoxy free optical path.

### Features

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path

### Applications

- Line Monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fiber Optical amplifier
- Access Network

### Specification

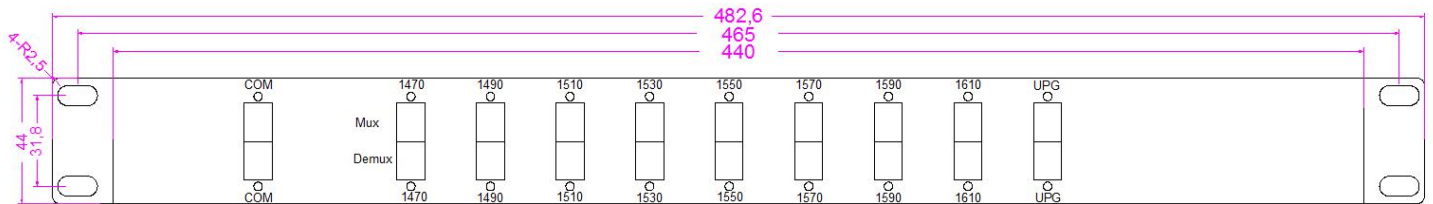
| Parameter                                     | 8+1 Channel            |                    |
|---|------------------------|--------------------|
|   | Mux                    | Demux              |
| Channel Wavelength (nm)                       | 1270~1610/1271~1611    |                    |
| Center wavelength Accuracy (nm)               | ±0.5                   |                    |
| Channel Spacing (nm)                          | 20                     |                    |
| Passband (@-0.5dB bandwidth (nm)              | Channel                | +/-7.5/+/-6.5      |
|   | Upgrade port           | 1310±50 or Specify |
| Insertion Loss (dB)                           | Channel                | ≤2.5               |
| Channel Uniformity (dB)                       | ≤1.0                   |                    |
| Channel Ripple (dB)                           | 0.3                    |                    |
| Isolation (dB)                                | Adjacent               | >30                |
|   | Non-adjacent           | >40                |
| Isolation (dB)                                | Express with filter    | >30                |
|   | Express without filter | >12                |
| Inertion Loss Temperature Sensitivity (dB/°C) | <0.005                 |                    |
| Wavelength Temperature Shifting (nm/°C)       | <0.002                 |                    |
| Polarization Dependent Loss (dB)              | <0.1                   |                    |
| Polarization Mode Dispersion                  | <0.1                   |                    |
| Directivity (dB)                              | >50                    |                    |
| Return Loss(dB)                               | >45                    |                    |

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Maximum Power Handling (mW)      | 300                                  |
| Operating Temperature (°C)       | -5~+75                               |
| Storage Temperature (°C)         | -40~+85                              |
| Package dimension (mm) (LGX box) | L440 (482.6) x W200 x H44 or Specify |

Specification may change without notice.

Above specification are for device without connectors.

## Package Dimension



## Ordering Information

| CWDM | X               | XX  | X                          | XX   | X   | X                         | XX  |
|------|-----------------|---|----------------------------|--|---|---------------------------|---|
|      | Channel Spacing | Number of Channels  | Configuration              | 1st Channel  | Fiber Type  | Fiber Length              | In/Out Connector  |
|      | C=CWDM Grid     | 04=4 Channel<br>08=8 Channel<br>16=16 Channel<br>18=18 Channel<br>N=N Channel | M=Mux<br>D=Demux<br>O=OADM | 27=1270nm<br>.....<br>47=1470nm<br>49=1490nm<br>.....<br>61=1610nm<br>SS=special | 1=Bare fiber<br>2=900um<br>Loose tube<br>3=2mm Cable<br>4=3mm Cable | 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<br>S=Specify |