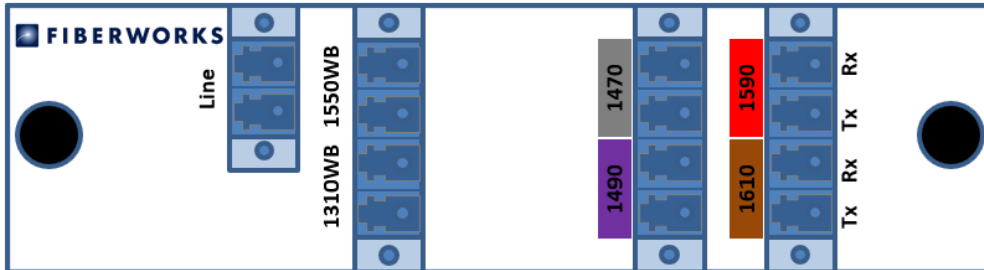


F-CMUX-4+2

4+ 2 channel CWDM mux/demux with monitor ports



DESCRIPTION

This compact CWDM multiplexer/demultiplexer covers 4 standard bandwidth CWDM channels. Its 1310 nm wideband port can be used for legacy 1310 nm equipment or 8 more CWDM channels in the lower band. The 1550 nm wideband port can fit legacy (“gray”) 1550 nm equipment or a complete C-band DWDM system including OSC. The color coding helps in the installation process reducing the chance of errors.

FEATURES

- Coarse WDM in compliance with ITU-T G.694.2
- 4 standard CWDM channels
- Upgrade port for legacy 1310 nm, lower band CWDM or 40/100G interface
- 1550 nm wideband port for legacy or DWDM equipment
- Based on thin film optics with epoxy free optical path
- Protocol transparent (support 1G, 10G etc.)
- LGX2 form factor - Three modules fit in 1U in 19" chassis or 12 modules in a 3U chassis.
- LC/UPC connectors

FUNCTIONAL DESCRIPTION



TECHNICAL DATA

| Parameter | Unit | Value |
|--------------------------------------|-------|------------------------|
| Center Wavelength CWDM Channels | nm | 1471, 1491, 1591, 1611 |
| Insertion loss (module / link) | dB | < 2.2 / < 3.0 |
| Insertion Loss – 1310 wide band port | dB | < 1.0 |
| Insertion Loss – 1550 wide band port | dB | < 2.2 |
| 1310 Wide Band port pass band | nm | 1260 - 1437 |
| 1550 Wide Band port pass band | nm | ~ 1500 - 1580 |
| Channel Spacing | nm | 20 |
| Channel Flatness | dB | < 0.4 |
| Channel Bandwidth CWDM channels | nm | +/- 6.5 |
| Channel Uniformity | dB | < 1.0 |
| Adjacent channel isolation | dB | > 30 |
| Non-adjacent channel isolation | dB | > 40 |
| Directivity | dB | > 55 |
| Return Loss | dB | > 50 |
| PDL | dB | < 0.15 |
| PMD | ps | < 0.1 |
| Wavelength thermal stability | nm/°C | < 0.003 |
| Insertion Loss thermal stability | dB/°C | < 0.005 |
| Power Handling | mW | < 500 |
| Operating temperature | °C | 0 to +70 |
| Storage temperature | °C | -40 to +85 |
| Dimensions (H x W x D) | mm | 35 x 130 x 210 |

ORDERING INFORMATION

| Product number | Description |
|----------------------|---|
| F-CMUX-4+2-4761-LGX2 | Fiberworks 4+2 ch. CWDM Mux/Demux, LGX2 4 CWDM ch + 1310 & 1550 nm WB, Mon.ports |
| F-CHASSIS-19-LGX2-12 | Fiberworks 19" 3U LGX2 chassis for 12 moduler, åpen foran og bak |
| F-CHASSIS-1U3-LGX2 | Fiberworks 19" 1U LGX2 chassis for 3 moduler, åpen foran og bak |