

Coarse WDM(8 Channel)

Brotechs introduces the mux family of products, which are designed for cost effective multiwavelength network applications. Channel spacing of 20 nm with wide bandpass characteristics allow for non-temperature controlled lasers to be used in transmitters. Based on Brotechs's proven thin film technology, Mux CWDMs allow for four and eight wavelengths to be used for uni-or bi-directional transmission. Like all Brotechs DWDM products, these devices are designed for long life service under the most demanding field conditions. Most connector types are available for terminated ends.

Applications

- **Sensor System**
- **10 GB Ethernet**
- **CATV Systems**
- **Metro Optical Networks**
- **Metro Access Networks**

Features

- **20 nm Channel Separation**
- **Bi-Directional**
- **High Isolation**
- **Low Insertion Loss**
- **Epoxy-Free Optical Path**
- **Express Channel Available**

Specifications

| Parameters | Single Channel | | |
|---|--|---------|---------|
| | Minimum | Typical | Maximum |
| Center Wavelength λ_c | 1471, 1491, 1511, 1531 nm 1551, 1571, 1591, 1611 nm | | |
| Pass Channel Insertion Loss | | 2.5dB | 3.0dB |
| Optional Express Channel Insertion Loss | | | 3.5dB |
| Passband Bandwidth | 13nm | 15nm | |
| Passband Flatness | 0.3dB | 0.5dB | |
| Adjacent Channel Isolation | 30dB | 40dB | |
| Non-Adjacent Channel Isolation | 40dB | 50dB | |
| Optical Return Loss | 50dB | | |
| Directivity | 50dB | | |
| PDL | | | 0.2dB |
| PMD | | | 0.2ps |
| Maximum Optical Power | 300mW | | |
| Operating Temperature | -5°C to +65°C | | |
| Storage Temperature | -40°C to +85°C | | |
| Tensile Load | 5N Maximum | | |





Dimensions

126mm x 93mm x 15mm

Fiber Type: SMF 28e Compatible

Pigtail Length: 1Meter (Standard)



Ordering Information

| Type | Package Type | Connector * | ITU Starting Wavelength | Optional Channel | Wavelength Remark |
|--|---|--|-------------------------|---------------------------------|-------------------------------|
| 4220 — <input type="text" value="4"/> — <input type="text"/> | <input type="text" value="22"/> — <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
| 0: Mux/DeMux Pair M: Mux D: Demux | 2: 250µm Box 3: 900µm Box 4: LGX Module C: Customize | 0: None 1: LC/PC 2: SC/PC 3: ST/PC 4: E2000/PC 7: FC/PC 9: MU A: LC/APC B: SC/APC C: E2000/APC D: FC/APC | 1 : 1471nm | 0 : No Express 1 : W/Express | ST: Standard CM: Customize |

Notes:* Specification do not include connector loss.

