

Multi-Mode Micro-Optic High Isolation WDM

Optowaves' Multi-Mode High Isolation WDM applies optical filter technique to achieve dual-wavelength multiplexing and de-multiplexing. It can double the optical transmission capacity and make bi-directional communication available within single optical fiber. The device meets Bellcore GR-1209-CORE requirements



Features

- High Isolation
- Low Insertion Loss
- Epoxy-free Optical Paths
- Compact Size
- Wide Operating Wavelength Range

Applications

- Data Link
- LAN
- Private Network

Specifications

| Item | Unit | Specifications | | |
|----------------------------------|-----------------|---------------------------|-----------------------------|---------------------------|
| | | MWDM1 | MWDM2 | MWDM3 |
| Pass Channel Wavelength Range | nm | 1260~1360 (or 800~900) | 1500~1600 (or 1260~1600) | 1500~1600 (or 800~900) |
| Reflect Channel Wavelength Range | nm | 800~900 (or 1260~1360) | 1260~1600 (or 1500~1600) | 800~900 (or 1500~1600) |
| Insertion Loss | Reflect Channel | dB | | |
| | Pass Channel | dB | | |
| Isolation | Reflect Channel | dB | | |
| | Pass Channel | dB | | |
| Polarization Dependent Loss | dB | <0.1 | | |
| Thermal Stability | dB/°C | <0.003 | | |
| Maximum Power Handling | mW | 300 | | |
| Maximum Tensile Load | N | 5 | | |
| Operating Temperature | °C | 0 to +70 | | |
| Storage Temperature | °C | -40 to +85 | | |

Note: Data are for LD light source only. For LED light source, depending on the spectrum.

Ordering Information

