

Tri-Band High Isolation WDM

Optowaves' single mode/ multi-mode 850/1310/1550 nm High Isolation WDM applies patent pending Tri-Guide® Technology to achieve tri-wavelength multiplexing and de-multiplexing. It can triple the optical transmission capacity and make bi-direction communication available within single optical fiber. The device meets Bellcore GR-1209-CORE requirements.



Features

- High Isolation
- Low Insertion Loss
- Compact Size
- Wide Operating Wavelength Range

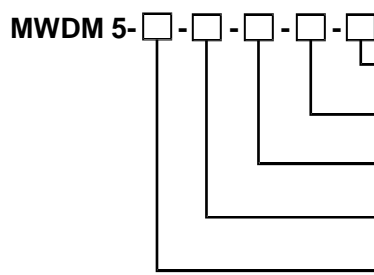
Applications

- Data Link
- LAN
- Private Network

Specifications

| Item | | Unit | Specifications |
|----------------------------------|-----------|-------|-------------------|
| Wavelength Range | Channel 1 | nm | 800~900 |
| | Channel 2 | | 1260~1360 |
| | Channel 3 | | 1500~1600 |
| Insertion Loss | Channel 1 | dB | Typ. 1.2, Max 1.5 |
| | Channel 2 | | Typ. 1.2, Max 1.5 |
| | Channel 3 | | Typ. 1.2, Max 1.5 |
| Isolation | Channel 1 | dB | >20 |
| | Channel 2 | | >20 |
| | Channel 3 | | >40 |
| Polarization Dependent Loss | | dB | <0.3 |
| Insertion Loss Thermal Stability | | dB/°C | <0.01 |
| Maximum Power Handling | | mW | 300 |
| Maximum Tensile Load | | N | 5 |
| Operating Temperature | | °C | 0 to +70 |
| Storage Temperature | | °C | -40 to +85 |

Ordering Information



Connector Type: FC/APC, FC/UPC, SC/APC, SC/UPC or others

Fiber Length (Unit:M)

Fiber Type: 025:Φ0.25mm, 09:Φ0.9mm

Pass Wavelength: 850:850nm, 131:1310nm, 155:1550nm

Mode: M:Multi-mode, S:Single Mode