

Mini CWDM Module



Product Introduction

Mini CWDM module is based on thin film filter(TFF) technology and free space package technology. It is used to multiplex or de-multiplex 4- or 8-channel CWDM wavelengths in the range of 1271 ~ 1611nm, an upgrade port is optional.

Features

- Low insertion loss
- High channel isolation
- Mini size
- Flat and wide passband
- High reliability

Applications

- CWDM system
- CATV system
- Metro optical network
- Enterprise network

Standards

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

Specifications

| Parameter | Unit | Specifications | | | | | |
|------------------------|------|----------------|------|------|------|------|------|
| Channel Number | NA | 4 | | | 8 | | |
| | | Min. | Typ. | Max. | Min. | Typ. | Max. |
| Central Wavelength | nm | ITU-T Grid | | | | | |
| Channel Spacing | nm | 20 | | | | | |
| Operating Wavelength | nm | 1271 | | 1611 | 1271 | | 1611 |
| Pass Band | nm | ±6.5 | | | ±6.5 | | |
| Channel Insertion Loss | dB | | 0.8 | 1.0 | | 1.0 | 1.5 |

| | | | | | | | |
|--------------------------------|----|-------------|--|-----|----|--|-----|
| Upgrade Channel Insertion Loss | dB | | | 1.5 | | | 2.0 |
| Adjacent Channel Isolation | dB | 30 | | | 30 | | |
| Non-Adjacent Channel Isolation | dB | 45 | | | 45 | | |
| Return Loss | dB | 45 | | | 45 | | |
| Directivity | dB | 55 | | | 55 | | |
| PDL | dB | | | 0.2 | | | 0.2 |
| PMD | Ps | | | 0.2 | | | 0.2 |
| Power Handling | mW | | | 300 | | | 300 |
| Operating Temperature | °C | -5~+70 | | | | | |
| Storage Temperature | °C | -40~+85 | | | | | |
| Package Dimension(L × W × H) | mm | 50×28.8×6.5 | | | | | |

- Notes: 1. All the values are tested under room temperature.
2. The package dimension is for one mux or demux only.

Ordering Information

MCWDM-20-□-□-□-□-□-□

