

FWDM Mux&Demux LGX Module



Features

- Wide Wavelength Range
- Low Insertion Loss
- High Channel Isolation
- High stability and reliability

Applications

- System Monitoring
- WDM system
- Transmitters and Fiber
- Fiber optical amplifier
- Fiberoptic Instruments

Description

AC-UNION 3port TFF devices are available on ITU Channel of FWDM spacing. These thin film filter products utilize hermetic and epoxy-free optical patch technology to provide excellent performance and reliability. Teclordia GR1221-CORE and RoHS compliance.

Performance Specifications

| Parameter | | T1550 | R1310&1490 |
|---|-----------------|---|------------|
| Pass Band Wavelength Range (nm) | | 1540~1560 | |
| Reflection Band1 Wavelength Range (nm) | | 1260 ~ 1360 | |
| Reflection Band1 Wavelength Range (nm) | | 1480~1500 | |
| Insertion Loss (dB) | Reflect Channel | ≤0.6 | |
| Insertion Loss (dB) | Pass Channel | ≤0.8 | |
| Pass Band Rippler(dB) | | <0.3 | |
| Isolation (dB) | Reflect Channel | > 15 | |
| Isolation (dB) | Pass Channel | >30 | |
| Insertion Loss Temperature Sensitivity (dB/°C) | | <0.005 | |
| Polarization Dependent Loss (dB) | | <0.1 | |
| Polarization Mode Dispersion (ps) | | <0.1 | |
| Directivity (dB) | | >50 | |
| Return Loss (dB) | | >50 | |
| Maximum Power Handling (mW) | | 500 | |
| Operating Temperature (°C) | | 0 ~+70 | |
| Storage Temperature (°C) | | -40 ~+85 | |
| Package Dimension (mm) | | 1. Φ5.5 x L35(bare fiber) 2. Φ5.5 x L38(900um Loose tube) 3. L90xW20xH9.5(2.0 mm or 3.0mm Cable) | |
| Above specification are for device without connector. | | | |

Order Information

| Product | Wavelength | Fiber Type | Fiber Length | Connector |
|---------|--------------------------------|--------------------|-------------------|-----------|
| FWDM | 3/45=1310pass/1490&1550reflect | 1=250um bare fiber | 1=1m | 0=None |
| | 4/35=1490pass/1310&1550reflect | 2=900um Loose tube | 1.5=1.5m | 1=FC/APC |
| | 5/34=1550pass/310&1490reflect | 3=2.0mm Cable | C=Customerization | 2=FC/PC |
| | | 4=3.0mm Cable | | 3=SC/APC |
| | | | | 4=SC/PC |
| | | | | 5=LC |