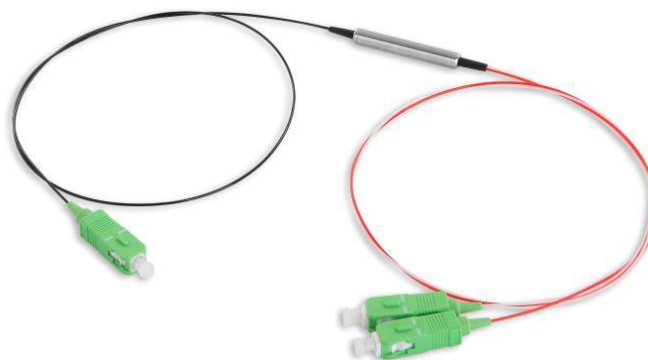


## Band Separators WDM Device

### Feature

- Optical path epoxy free
- Low insert loss & high isolation
- Telcordia GR-1221-Core qualified
- RoHS compliant



### Applications

- Channel separator
- Module integration
- DWDM/CWDM system

### Specification

| Parameter                        |                | Unit  | C/L   | C/L       | C-Red/Blue | L-Red/Blue |
|----------------------------------|----------------|-------|---|-----------|------------|------------|
| Operating Wavelength             | Transmission   | nm    | 1564-1620   | 1570-1610 | 1547-1561  | 1589-1603  |
|                                  | Reflection     | nm    | 1260-1556   | 1500-1564 | 1530-1543  | 1570-1584  |
| Transmission Port                | Insertion Loss | dB    | ≤1.0(Typical 0.8)   |           |            |            |
|                                  | Isolation      | dB    | ≥30   |           |            |            |
| Reflection Port                  | Insertion Loss | dB    | ≤0.60(Typical 0.4)  |           |            |            |
|                                  | Isolation      | dB    | ≥15   |           |            |            |
| Return Loss                      |                | dB    | ≥45   |           |            |            |
| Insertion Loss Thermal Stability |                | dB/°C | ≤0.005  |           |            |            |
| Polarization Dependent Loss      |                | dB    | ≤0.10   |           |            |            |
| Polarization Mode Dispersion     |                | Ps    | ≤0.10   |           |            |            |
| Directivity                      |                | dB    | ≥45   |           |            |            |
| Power Handling                   |                | mW    | 300   |           |            |            |
| Operating Temperature            |                | °C    | -5~ +70   |           |            |            |
| Storage Temperature              |                | °C    | -40 ~ +85   |           |            |            |
| Package Dimension                |                | mm    | Φ5.5x34 for 250um bare fiber , Φ5.5x38 for 900um loose tube |           |            |            |

#### Note:

- Insertion Loss excluding connector loss.
- Connectors can be supplied on request.
- Customized dimension is available.
- Fiber type is Corning SMF-28 Ultra, G657A1/A2 and so on.
- The BWDM device with other Operating Wavelength can be customized.