



50GHz Dense Wavelength Division Multiplexer

50GHz Dense Wavelength Division Multiplexer(**DWDM-0**) is designed to de-multiplex or multiplex signals in dense WDM System. Based on thin-film filter technology and light path epoxy-free, the **DWDM-0** features low insertion loss, high isolation and superior environmental stability. **DWDM-0** meets Bellcore GR-1221-CORE requirements.

Features of our DWDM-0:

- 50GHz(0.4nm) channel space
- Low insertion loss
- High isolation
- Epoxy-free optical path
- Optional upgrade port

Applications for our DWDM-0:

- Ultra Dense WDM system
- Unidirectional/bi-directional systems

Specifications:

| Channel Number | Unit | 160 |
|----------------------------------|-------|----------------------|
| Central Wavelength | nm | C+L Band, ITU-T Grid |
| Passband Width@0.5dB | nm | ≥ 0.1 |
| Passband Flatness | dB | ≤ 0.5 |
| Insertion Loss | dB | Typ. 8.5, Max. 9.0 |
| Adjacent Channel Isolation | dB | ≥ 25 |
| Non-adjacent Channel Isolation | dB | ≥ 30 |
| Wavelength Thermal Stability | nm/°C | ≤ 1 |
| Insertion Loss Thermal Stability | dB/°C | ≤ 0.008 |
| Polarization Dependent Loss | dB | ≤ 0.2 |
| Return Loss | dB | ≥ 45 |
| Operation Temperature | °C | 0 ~ 65 |



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| Operation Temperature | °C | 0 ~ 65 |
| Storage Temperature | °C | -40 ~ +85 |

Ordering information:

- Connectors: FC/UPC, FC/APC, SC/UPC, or SC/APC
- Pigtail: Diam. 0.9mm or 0.25mm
- Start Wavelength: ITU-T Grid
- Application type: M: Multiplex or D: Demultiplex

We have unbeatable price for this product.

- Price is updating, please make a request for our most recent price by calling (514) 334-4588 or by emailing sales2@o-eland.com