# DWDM Single Channel OADM Module

## FEATURES
- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

## APPLICATIONS
- Broadband Systems
- Optical Add/Drop Multiplexing
- Telecommunication Networks
- Metro Networks
- DWDM Systems

## SPECIFICATIONS

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Unit</th>
<th>100G OADM</th>
<th>200G OADM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Wavelength</td>
<td>nm</td>
<td>1528-1640, ITU Grid</td>
<td></td>
</tr>
<tr>
<td>Channel Spacing</td>
<td>Hz</td>
<td>100G</td>
<td>200G</td>
</tr>
<tr>
<td>Channel Passband Width</td>
<td>nm</td>
<td>+/-0.11</td>
<td>+/-0.25</td>
</tr>
<tr>
<td>Add/Drop Channel Insertion Loss</td>
<td>dB</td>
<td>≤1.5</td>
<td>≤1.2</td>
</tr>
<tr>
<td>Express Channel Insertion Loss</td>
<td>dB</td>
<td>≤1.0</td>
<td>≤1.0</td>
</tr>
<tr>
<td>Add/Drop Path Adjacent Channel Isolation</td>
<td>dB</td>
<td>≥25</td>
<td>≥25</td>
</tr>
<tr>
<td>Add/Drop Path Non-adjacent Channel Isolation</td>
<td>dB</td>
<td>≥40</td>
<td>≥40</td>
</tr>
<tr>
<td>Express Channel Isolation</td>
<td>dB</td>
<td>≥25</td>
<td>≥25</td>
</tr>
<tr>
<td>Optical Return Loss</td>
<td>dB</td>
<td>≥45</td>
<td>≥45</td>
</tr>
<tr>
<td>Directivity</td>
<td>dB</td>
<td>≥50</td>
<td>≥50</td>
</tr>
<tr>
<td>Polarization Dependent Loss</td>
<td>dB</td>
<td>≤0.15</td>
<td>≤0.10</td>
</tr>
<tr>
<td>Polarization Mode Dispersion</td>
<td>ps</td>
<td>≤0.10</td>
<td>≤0.10</td>
</tr>
<tr>
<td>Fiber Type</td>
<td></td>
<td>SMF-28 Fiber or 10/130um DC Fiber (O) 12/130um DC Fiber (T) or 20/130um DC Fiber (Q) 25/250um DC Fiber (R) or 25/300um DC Fiber (G)</td>
<td></td>
</tr>
<tr>
<td>Fiber Tensile Load</td>
<td>N</td>
<td>5</td>
<td></td>
</tr>
<tr>
<td>Maximum Optical Power (CW)</td>
<td>mW</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>°C</td>
<td>0~70</td>
<td></td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>°C</td>
<td>-40~85</td>
<td></td>
</tr>
<tr>
<td>Package Dimension</td>
<td>mm</td>
<td>(L)88.9x(W)50.9x(H)9.2</td>
<td></td>
</tr>
</tbody>
</table>

**Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.
3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

## ORDERING INFORMATION (PN)

### FDWO- N CNN - (C) C NN -CC/CCC

- **Channel Spacing**
  - 1= 100GHz
  - 2= 200GHz
- **ITU Channel No.**
  - 0= C34 Channel
  - 1= C4 Channel
  - 2= H4 Channel
  - 3= L00 Channel
  - 4= C60 Channel
- **Fiber Type**
  - 0= 10/130 DC Fiber
  - 1= 12/130 DC Fiber
  - 2= 25/340 DC Fiber
  - 3= Blank for SMF-28 Fiber
- **Fiber Sleeve**
  - 0= Bare fiber
  - 1= Loose Tube
  - 2= Zrm Cable
  - 3= Zrm Cable
- **Fiber Length**
  - 0= 0.5m
  - 10= 1.0m
  - 15= 1.5m
  - 20= 2.0m
- **Connector Type**
  - N= Without Connector
  - FC/APC=PC/APC Connector
  - LC/PC=LC/PC Connector
  - SC/UPC=SC/UPC Connector

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