Corning introduces the Spectramux® family of products, which are designed for cost-effective multiwavelength network applications. Channel spacing of 20 nm with wide bandpass characteristics allow for non-temperature controlled lasers to be used in transmitters. Based on Corning’s proven thin film technology, SpectraMux CWDMs allow for four and eight wavelengths to be used for uni- or bi-directional transmission. Like all Corning DWDM products, these devices are designed for long life service under the most demanding field conditions. Most connector types are available for terminated ends.
## Specifications

<table>
<thead>
<tr>
<th>Parameters (Eight-Channel Low Loss)</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Wavelength (\lambda_c)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pass Channel Insertion Loss</td>
<td></td>
<td>1.6 dB</td>
<td>2.0 dB</td>
</tr>
<tr>
<td>Express Channel Insertion Loss (Optional)</td>
<td></td>
<td></td>
<td>2.5 dB</td>
</tr>
<tr>
<td>Passband Width</td>
<td>13 nm</td>
<td>15 nm</td>
<td></td>
</tr>
<tr>
<td>Passband Flatness</td>
<td></td>
<td>0.3 dB</td>
<td>0.5 dB</td>
</tr>
<tr>
<td>Adjacent Channel Isolation</td>
<td>30 dB</td>
<td>40 dB</td>
<td></td>
</tr>
<tr>
<td>Non-Adjacent Channel Isolation</td>
<td>40 dB</td>
<td>50 dB</td>
<td></td>
</tr>
<tr>
<td>Optical Return Loss</td>
<td>50 dB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Directivity</td>
<td>50 dB</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PDL</td>
<td></td>
<td></td>
<td>0.2 dB</td>
</tr>
<tr>
<td>PMD</td>
<td></td>
<td></td>
<td>0.2 ps</td>
</tr>
<tr>
<td>Maximum Optical Power</td>
<td></td>
<td>300 mW</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-5°C to +65°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Temperature Range</td>
<td>-40°C to +85°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tensile Load (900 µm Buffered)</td>
<td></td>
<td>5N Maximum</td>
<td></td>
</tr>
</tbody>
</table>

*Specifications do not include connector loss*

<table>
<thead>
<tr>
<th>Packaging Dimensions</th>
<th>Fiber Type</th>
<th>Pigtail Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>126 mm x 93 mm x 15 mm</td>
<td>Fiber Type: Corning® SMF-28e® or compatible, 900 µm</td>
<td>1 m (Standard)</td>
</tr>
</tbody>
</table>
# SpectraMux® – Coarse WDM (Four Channel)

## Ordering Information

<table>
<thead>
<tr>
<th>C</th>
<th>W</th>
<th>4</th>
<th>-</th>
<th>1</th>
<th>2</th>
<th>-</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
</tr>
</thead>
</table>

1. **Select Mux or DeMux**
   - 1: Mux
   - 2: DeMux

2. **Select Package Type**
   - 2: 250 mm Box
   - 3: 900 mm Box
   - 4: LGX Rack Mounted Module

3. **Select Connector Type**
   - A: None
   - L: LC/PC
   - P: FC/PC
   - Q: FC/APC
   - S: SC/PC
   - T: SC/APC
   - U: MU/PC

4. **Select UTI Starting Wavelength**
   - 1: 1471 nm
   - 3: 1511 nm
   - 5: 1551 nm

5. **Select Optional Channel**
   - 0: No Express
   - 1: With Express

6. **Select Customization**
   - 00: Standard
   - Running number used for special types or custom made

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*These part numbers are specific to Corning Optical Communications OEM Solutions Business Unit. Please contact OEM sales at +1-408-736-6900 or oemsales@corning.com and visit www.corning.com/opcomm/oem for sales support.*