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.
### SpectraMux® – Coarse WDM (Single-Channel OADM)

#### Specifications

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Minimum</th>
<th>Typical</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Center Wavelength $\lambda_c$</td>
<td></td>
<td>1471-1611 nm</td>
<td></td>
</tr>
<tr>
<td>Drop Channel Insertion Loss</td>
<td>0.6 dB</td>
<td>1.0 dB</td>
<td></td>
</tr>
<tr>
<td>Add Channel Insertion Loss</td>
<td>0.6 dB</td>
<td>1.0 dB</td>
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</tr>
<tr>
<td>Passband Width</td>
<td>13 nm</td>
<td>15 nm</td>
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</tr>
<tr>
<td>Passband Flatness</td>
<td>0.3 dB</td>
<td>0.5 dB</td>
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</tr>
<tr>
<td>Drop/Add Channel Isolation</td>
<td>30 dB</td>
<td>40 dB</td>
<td></td>
</tr>
<tr>
<td>Express Channel Isolation</td>
<td>30 dB</td>
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<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>
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<td></td>
</tr>
<tr>
<td>PDL</td>
<td></td>
<td>0.2 db</td>
<td></td>
</tr>
<tr>
<td>PMD</td>
<td></td>
<td>0.2 ps</td>
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</tr>
<tr>
<td>Maximum Optical Power</td>
<td></td>
<td>300 mW</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td></td>
<td>-5°C to +65°C</td>
<td></td>
</tr>
<tr>
<td>Storage Temperature Range</td>
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<td>-40°C to +85°C</td>
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</tr>
<tr>
<td>Tensile Load</td>
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<td>5N Maximum</td>
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#### Shipping Package

<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</td>
</tr>
</tbody>
</table>
### Ordering Information

**SpectraMux® Coarse WDM (Single-Channel OADM)**

**C W 4 - 3 1 2 1 2 3 4**

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Select Package Type</td>
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</tr>
<tr>
<td></td>
<td>2: 250 mm Box</td>
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</tr>
<tr>
<td></td>
<td>3: 900 mm Box</td>
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<tr>
<td></td>
<td>4: LGX Rack Mounted Module</td>
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<tr>
<td>2</td>
<td>Select Connector</td>
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<tr>
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<td>A: None</td>
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</tr>
<tr>
<td></td>
<td>L: LC/PC</td>
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</tr>
<tr>
<td></td>
<td>P: FC/PC</td>
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<tr>
<td></td>
<td>Q: FC/APC</td>
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<tr>
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<td>S: SC/PC</td>
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<td>T: SC/APC</td>
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<tr>
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<td>3</td>
<td>Select UTI Starting Wavelength</td>
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<tr>
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<td>1: 1471 nm</td>
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<tr>
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<tr>
<td></td>
<td>3: 1511 nm</td>
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<tr>
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<td>4: 1531 nm</td>
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<td>5: 1551 nm</td>
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<td>6: 1571 nm</td>
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<tr>
<td></td>
<td>7: 1591 nm</td>
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<td>8: 1611 nm</td>
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<tr>
<td>4</td>
<td>Select Customization</td>
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<tr>
<td></td>
<td>000: Standard</td>
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</tr>
<tr>
<td></td>
<td>Running number used for special types or custom made</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*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.*