Today’s high-port count applications for broadband system applications demand the best performance and the highest reliability under the most adverse of conditions. Corning’s Planar Lightwave Circuit Splitters deliver on all these requirements. These highly stable components perform superbly across temperature and wavelength providing low insertion loss, low input polarization sensitivity, excellent uniformity, and low return loss in 4-, 8-, 16-, and 32-port configurations. Our OEM-friendly packaging provides the flexibility to meet the broadest design requirements.

### Features and Benefits
- Rugged Construction
- Low Input Polarization Sensitivity
- Customized Packaging Available
- High Quality Connector Fanouts Available

### Standards

<table>
<thead>
<tr>
<th>Standards</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>RoHS</td>
<td>Free of hazardous substances according to RoHS2011/65/EU</td>
</tr>
<tr>
<td>Design and Test Criteria</td>
<td>Product is compliant with Telcordia GR-1209-CORE and GR-1221-CORE</td>
</tr>
</tbody>
</table>
PLC Splitter (Standard Grade)

Specifications

<table>
<thead>
<tr>
<th>Parameters</th>
<th>1x4 Port</th>
<th>1x8 Port</th>
<th>1x16 Port</th>
<th>1x32 Port</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Wavelength λc</td>
<td></td>
<td></td>
<td>1260-1650 nm</td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>7.5 dB</td>
<td>11.0 dB</td>
<td>14.2 dB</td>
<td>17.8 dB</td>
</tr>
<tr>
<td>Insertion Loss Uniformity</td>
<td>1.0 dB</td>
<td>1.0 dB</td>
<td>1.5 dB</td>
<td>2.0 dB</td>
</tr>
<tr>
<td>Polarization Dependent Loss</td>
<td>0.3 dB</td>
<td>0.3 dB</td>
<td>0.4 dB</td>
<td>0.45 dB</td>
</tr>
<tr>
<td>Directivity</td>
<td></td>
<td></td>
<td>&gt; 55 dB</td>
<td></td>
</tr>
<tr>
<td>Return Loss</td>
<td></td>
<td></td>
<td>&gt; 55 dB</td>
<td></td>
</tr>
<tr>
<td>Maximum Optical Power</td>
<td></td>
<td></td>
<td>300 MW</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-40°C to +85°C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40°C to +85°C</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storage Relative Humidity</td>
<td>20-90 (%RH)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Shipping Package

<table>
<thead>
<tr>
<th>Packaging Dimensions</th>
<th>1x4, 1x8, 1x16</th>
<th>1x32</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4 mm (H) x 4 mm (W) x 40 mm (L)</td>
<td>4 mm (H) x 7 mm (W) x 50 mm (L)</td>
</tr>
</tbody>
</table>

Ordering Information

PLC Splitter (Standard Grade)

1 Select Fiber Type
   1: 250 µm
   2: 900 µm

2 Select InPort Count
   A: 1xN
   (N = OutPort Count)

3 Select OutPort Count
   04: Ports 4
   08: Ports 8
   16: Ports 16
   32: Ports 32

4 Select Connector*
   0: None
   K: LC/APC
   L: LC/PC
   P: FC/PC
   Q: FC/APC
   S: SC/PC
   T: SC/APC
   U: MU/PC
   V: MPO

5 Select Customization
   000: Standard
   Running number used for special types or custom made

Notes:
* Specifications do not include connector loss

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