**FINAL INSPECTION REPORT**

1x2 Wavelength Combiner / Splitter (WDM)

Item #: WD1450F  
SN: T021649

<table>
<thead>
<tr>
<th>Port Jacket Color</th>
<th>White</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>1480 nm</td>
<td>1550 nm</td>
</tr>
<tr>
<td>Transmissionc</td>
<td>97.3%</td>
<td>98.0%</td>
</tr>
<tr>
<td>Insertion Lossd</td>
<td>0.12 dB</td>
<td>0.09 dB</td>
</tr>
<tr>
<td>Isolatione</td>
<td>19.4 dB</td>
<td>18.2 dB</td>
</tr>
</tbody>
</table>

- **Test Data at Center Wavelength**
  - **Bandwidth**: 1475-1485 nm
  - **Transmission**: 95.7%
  - **Insertion Loss**: 0.19 dB
  - **Isolation**: 15.4 dB

- **Test Data over Bandwidth**
  - **Bandwidth**: 1545-1555 nm
  - **Transmission**: 96.4%
  - **Insertion Loss**: 0.16 dB
  - **Isolation**: 15.9 dB

- **Center Wavelength**
  - White Port: 1480 nm
  - Red Port: 1550 nm
- **Maximum Optical Power**
  - With Connectors or Bare Fiber: 1 W
  - Spliced: 5 W
- **Fiber Type**: CORNING SMF-28E+

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- **a.** Specifies the maximum power allowed through the component. Performance and reliability under high power conditions must be determined within the user's setup.
- **b.** All values are measured at room temperature without connectors.
- **c.** Calculated from measured insertion loss data below.
- **d.** Insertion loss is the ratio of the input power to the output power for each port of the wavelength combiner / splitter (WDM).
- **e.** Isolation represents the minimum crosstalk between ports.

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Verified by: ____________________
This wavelength combiner / splitter (WDM) operation is only guaranteed over the specified bandwidth as defined by the colored regions above. Thorlabs displays a wider wavelength range to provide insight into how this particular device would perform if used outside its guaranteed operating range. The out-of-band performance can vary from device to device.