FINAL INSPECTION REPORT
1x2 PM Wavelength Combiner / Splitter (WDM)

Item #: RB41AP
SN: T056231

Wavelength Operating Range
- Blue Port: 473 - 532 nm
- Red Port: 630 - 650 nm

Maximum Optical Power
- With Connectors or Bare Fiber: 50 mW
- Spliced: 100 mW

Fiber Type: Thorlabs Custom Fiber

<table>
<thead>
<tr>
<th>Port</th>
<th>Blue</th>
<th>Blue</th>
<th>Red</th>
<th>Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>473 nm</td>
<td>488 nm</td>
<td>520 nm</td>
<td>532 nm</td>
</tr>
<tr>
<td>Transmission</td>
<td>93.0%</td>
<td>93.0%</td>
<td>89.0%</td>
<td>85.0%</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>0.32 dB</td>
<td>0.33 dB</td>
<td>0.61 dB</td>
<td>0.71 dB</td>
</tr>
<tr>
<td>Isolation</td>
<td>27.5 dB</td>
<td>24.5 dB</td>
<td>19.5 dB</td>
<td>16.6 dB</td>
</tr>
<tr>
<td>PER</td>
<td>26 dB</td>
<td>29 dB</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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. Ratio of the input power to the output power for each port of the wavelength combiner / splitter (WDM).
e. Indicates the minimum crosstalk between ports.
f. Measured with a slow axis launch at room temperature with connectors and measured at 488 nm and 640 nm respectively through the common port.

Verified by:____________________
The operation of this PM wavelength combiner / splitter (WDM) 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.