## FINAL INSPECTION REPORT

**1x2 50:50 Narrowband Coupler**

<table>
<thead>
<tr>
<th>Item #: TN1550R5F1</th>
<th>SN: T017042</th>
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</thead>
</table>

### Test Data

<table>
<thead>
<tr>
<th>Input-Output Path</th>
<th>White (Input) – White (Signal Output)</th>
<th>White (Input) – Red (Tap Output)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coupling Ratio&lt;sup&gt;d&lt;/sup&gt;</td>
<td>49.4 %</td>
<td>50.6 %</td>
</tr>
<tr>
<td>Insertion Loss&lt;sup&gt;e&lt;/sup&gt;</td>
<td>3.09 dB</td>
<td>2.99 dB</td>
</tr>
</tbody>
</table>

### Coupling Ratio Specification
- **Signal Output:** 47% - 53%
- **Tap Output:** 47% - 53%

### Center Wavelength
- 1550 nm

### Bandwidth
- ±15 nm

### Maximum Optical Power
- With Connectors or Bare Fiber: 1 W
- Spliced: 5 W

### Fiber Type
- Corning SMF28e+

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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 through the white input port.

**c.** Ratio of the input optical power to the total optical power from all output ports. It is measured at the center wavelength.

**d.** Does not include losses, as this is a measurement of the output power distribution only.

**e.** Includes both the split of the power between the two outputs, as well as any optical losses in the coupler.