

## FINAL INSPECTION REPORT

### 2x2 50:50 Narrowband Coupler

Item #: TN980R5A2B

SN: T013446

Center Wavelength: 980 nm

Coupling Ratio Specification

Signal Output: 47 % - 53 %

Tap Output: 47 % - 53 %

Bandwidth:  $\pm 15$  nm

Maximum Optical Power<sup>a</sup>

With Connectors or Bare Fiber: 1 W

Spliced: 5 W

Fiber Type: Corning HI 1060 FLEX

| Test Data <sup>b</sup>      |                                       |
|-----------------------------|---------------------------------------|
| Excess Loss <sup>c</sup>    | $\leq 0.2$ dB                         |
| Input-Output Path           | White (Input) – White (Signal Output) |
| Coupling Ratio <sup>d</sup> | 49.1 %                                |
| Insertion Loss <sup>e</sup> | 3.29 dB                               |
| Input-Output Path           | White (Input) – Red (Tap Output)      |
| Coupling Ratio <sup>d</sup> | 50.9 %                                |
| Insertion Loss <sup>e</sup> | 3.13 dB                               |

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.