

## FINAL INSPECTION REPORT

### 1x2 99 : 1 Narrowband Coupler

Item #: TN830R1A1

SN: T044169

Center Wavelength: 830 nm

Coupling Ratio Specification

Signal Output: 98.7 % - 99.3 %

Tap Output: 0.7 % - 1.3 %

Bandwidth:  $\pm 15$  nm

Maximum Optical Power<sup>a</sup>

With Connectors or Bare Fiber: 0.5 W

Spliced: 2 W

Fiber Type: Nufern 780-HP

Test Data <sup>b</sup>	
Excess Loss <sup>c</sup>	$\leq 0.3$ dB
Input-Output Path	White (Input) – White (Signal Output)
Coupling Ratio <sup>d</sup>	99.2 %
Insertion Loss <sup>e</sup>	0.08 dB
Input-Output Path	White (Input) – Red (Tap Output)
Coupling Ratio <sup>d</sup>	0.8 %
Insertion Loss <sup>e</sup>	20.96 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.

Verified by: \_\_\_\_\_