

## FINAL INSPECTION REPORT

### 1x2 90:10 PM Narrowband Coupler

Item #: PN980R2F1  
 SN: T022737

Center Wavelength: 980 nm  
 Coupling Ratio Specification  
 Signal Output: 89 % - 91 %  
 Tap Output: 9 % - 11 %  
 Bandwidth:  $\pm 15$  nm  
 Maximum Optical Power<sup>a</sup>  
 With Connectors or Bare Fiber: 1 W  
 Spliced: 5 W  
 Fiber Type: YOFC PM1015-A+ (980)

Test Data <sup>b</sup>	
Excess Loss <sup>c</sup>	0.25 dB
Input-Output Path	White (Input) – White (Signal Output)
Coupling Ratio <sup>d</sup>	89.7 %
Insertion Loss <sup>e</sup>	0.72 dB
PER <sup>f</sup>	23.4 dB
Input-Output Path	White (Input) – Red (Tap Output)
Coupling Ratio <sup>d</sup>	10.3 %
Insertion Loss <sup>e</sup>	10.1 dB
PER <sup>f</sup>	26.4 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.
- f. Measured with a slow axis launch at room temperature with connectors at the center wavelength through the white input port.

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