

## FINAL INSPECTION REPORT

### 1x4 Dual Window Coupler

Item #: TDQ1315HA  
SN: A004471

Center Wavelength: 1310 nm / 1550 nm  
Coupling Ratio Specification  
Tap Output: 21% - 29%  
Bandwidth:  $\pm 40$  nm  
Maximum Optical Power<sup>a</sup>  
With Connectors or Bare Fiber: 1 W  
Spliced: 5 W  
Fiber Type: Corning SMF-28 ULTRA

Test Data <sup>b</sup>	1310 nm	1550 nm
Excess Loss <sup>c</sup>	0.39 dB	0.29 dB
Input-Output Path	White (Input) – Red (Port 1)	
Coupling Ratio <sup>d</sup>	25.4 %	24.8 %
Insertion Loss <sup>e</sup>	6.35 dB	6.35 dB
Input-Output Path	White (Input) – Red (Port 2)	
Coupling Ratio <sup>d</sup>	23.8 %	24.7 %
Insertion Loss <sup>e</sup>	6.62 dB	6.36 dB
Input-Output Path	White (Input) – Red (Port 3)	
Coupling Ratio <sup>d</sup>	25.5 %	25.3 %
Insertion Loss <sup>e</sup>	6.32 dB	6.26 dB
Input-Output Path	White (Input) – Red (Port 4)	
Coupling Ratio <sup>d</sup>	25.3 %	25.1 %
Insertion Loss <sup>e</sup>	6.37 dB	6.29 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 with connectors, using the white port as the input.
- c. Ratio of the input optical power to the total optical power from all output ports.
- 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 outputs, as well as any optical losses in the coupler.

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