THORLABS

FINAL INSPECTION REPORT

1x16 Dual Window Splitter

Item #: TDS1315HA
SN: A008074

Center Wavelength: 1310 nm / 1550 nm
Coupling Ratio Specification
Tap Output: 5.25% - 7.25%
Bandwidth: ±40 nm
Maximum Optical Power[a]
With Connectors or Bare Fiber: 300 mW
Spliced: 0.5 W
Fiber Type: Corning SMF28

Test Data[b]	1310 nm	1550 nm	1310 nm	1550 nm
Input-Output Path	White (Input) – Red (Port 1)		White (Input) – Red (Port 2)	
Coupling Ratio[c]	6.1%	6.0%	5.7%	5.9%
Insertion Loss[d]	13.10 dB	14.20 dB	13.40 dB	14.30 dB
Input-Output Path	White (Input) – Red (Port 3)		White (Input) – Red (Port 4)	
Coupling Ratio[c]	6.0%	6.2%	6.1%	6.0%
Insertion Loss[d]	13.20 dB	14.10 dB	13.10 dB	14.20 dB
Input-Output Path	White (Input) – Red (Port 5)		White (Input) – Red (Port 6)	
Coupling Ratio[c]	6.4%	6.2%	6.0%	6.0%
Insertion Loss[d]	12.90 dB	14.10 dB	13.20 dB	14.20 dB
Input-Output Path	White (Input) – Red (Port 7)		White (Input) – Red (Port 8)	
Coupling Ratio[c]	6.4%	6.2%	6.1%	6.2%
Insertion Loss[d]	12.90 dB	14.10 dB	13.10 dB	14.10 dB
Input-Output Path	White (Input) – Red (Port 9)		White (Input) – Red (Port 10)	
Coupling Ratio[c]	6.5%	6.5%	6.3%	6.3%
Insertion Loss[d]	12.80 dB	13.90 dB	13.00 dB	14.00 dB
Input-Output Path	White (Input) – Red (Port 11)		White (Input) – Red (Port 12)	
Coupling Ratio[c]	6.4%	6.5%	6.3%	6.5%
Insertion Loss[d]	12.90 dB	13.90 dB	13.00 dB	13.90 dB
Input-Output Path	White (Input) – Red (Port 13)		White (Input) – Red (Port 14)	
Coupling Ratio[c]	6.4%	6.5%	6.5%	6.5%
Insertion Loss[d]	12.90 dB	13.90 dB	12.80 dB	13.90 dB
Input-Output Path	White (Input) – Red (Port 15)		White (Input) – Red (Port 16)	
Coupling Ratio[c]	6.4%	6.3%	6.4%	6.5%
Insertion Loss[d]	12.90 dB	14.00 dB	12.90 dB	13.90 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. Does not include losses, as this is a measurement of the output power distribution only.
d. Includes both the split of the power between the outputs, as well as any optical losses in the splitter.

Verified by: _____