

FINAL INSPECTION REPORT

1x16 PM Dual Window Splitter

Item #: TPS1315HA
SN: A013292

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: 1 W
Spliced: 5 W
Fiber Type: Corning PR PM 15-U25D

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	6.7%	6.8%	6.3%	6.3%
Insertion Loss ^d	13.8 dB	12.4 dB	14.1 dB	12.7 dB
PER	23.2 dB	24.0 dB	23.2 dB	26.0 dB
Input-Output Path	White (Input) – Red (Port 3)		White (Input) – Red (Port 4)	
Coupling Ratio ^c	6.5%	6.3%	6.4%	6.3%
Insertion Loss ^d	13.9 dB	12.7 dB	14.0 dB	12.7 dB
PER	22.9 dB	27.0 dB	23.7 dB	20.0 dB
Input-Output Path	White (Input) – Red (Port 5)		White (Input) – Red (Port 6)	
Coupling Ratio ^c	6.1%	6.2%	6.2%	6.3%
Insertion Loss ^d	14.2 dB	12.8 dB	14.2 dB	12.7 dB
PER	28.6 dB	28.0 dB	30.4 dB	31.0 dB
Input-Output Path	White (Input) – Red (Port 7)		White (Input) – Red (Port 8)	
Coupling Ratio ^c	6.0%	6.3%	6.3%	6.2%
Insertion Loss ^d	14.3 dB	12.7 dB	14.1 dB	12.8 dB
PER	26.6 dB	27.0 dB	26.0 dB	32.0 dB
Input-Output Path	White (Input) – Red (Port 9)		White (Input) – Red (Port 10)	
Coupling Ratio ^c	6.3%	6.2%	6.0%	6.2%
Insertion Loss ^d	14.1 dB	12.8 dB	14.3 dB	12.8 dB
PER	26.0 dB	25.0 dB	24.5 dB	26.0 dB
Input-Output Path	White (Input) – Red (Port 11)		White (Input) – Red (Port 12)	
Coupling Ratio ^c	6.1%	6.3%	6.0%	6.0%
Insertion Loss ^d	14.2 dB	12.7 dB	14.3 dB	12.9 dB
PER	29.6 dB	26.0 dB	22.2 dB	27.0 dB
Input-Output Path	White (Input) – Red (Port 13)		White (Input) – Red (Port 14)	
Coupling Ratio ^b	6.3%	6.2%	6.3%	6.3%
Insertion Loss ^d	14.1 dB	12.8 dB	14.1 dB	12.7 dB
PER	26.8 dB	21.0 dB	27.8 dB	32.0 dB
Input-Output Path	White (Input) – Red (Port 15)		White (Input) – Red (Port 16)	
Coupling Ratio ^c	6.1%	6.3%	6.4%	6.0%
Insertion Loss ^d	14.2 dB	12.7 dB	14.0 dB	12.9 dB
PER	26.0 dB	25.0 dB	24.9 dB	28.0 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 with a slow axis launch 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: _____