



## FINAL INSPECTION REPORT

### 1x2 Wavelength Combiner (WDM)

Item #: W635S415B1A  
SN: T006171

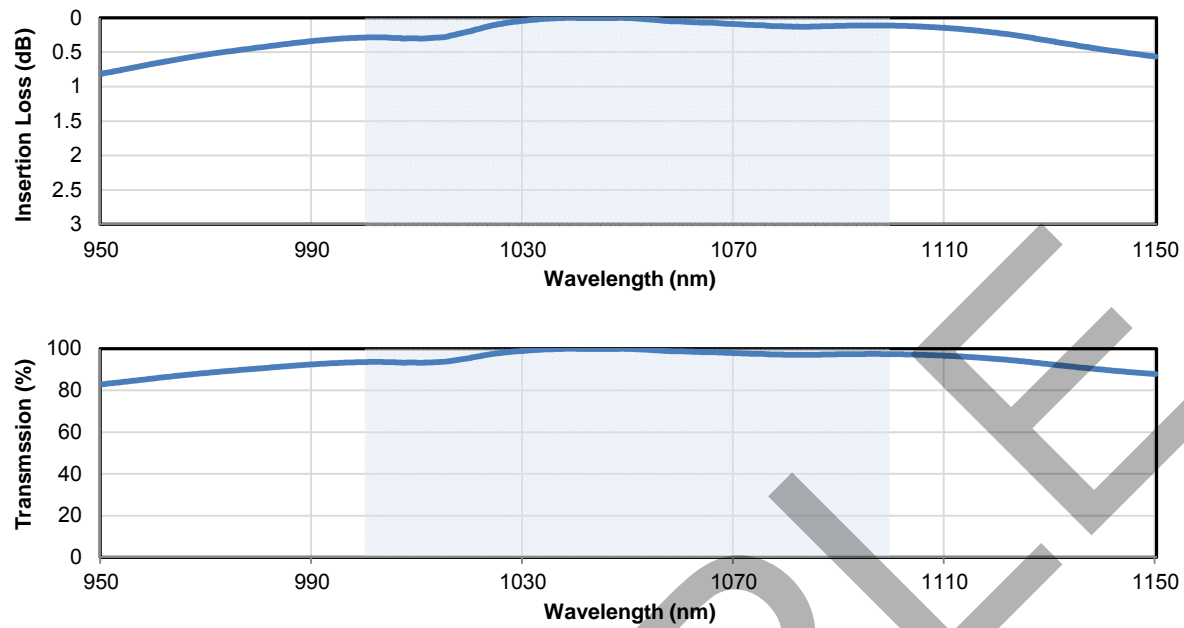
Center Wavelength
White Port: 1050 nm
Red Port: 635 nm
Maximum Optical Power <sup>a</sup>
With Connectors or Bare Fiber: 300 mW
Spliced: 0.5 W
Fiber Type: Corning HI 1060

Test Data			
Port Jacket Color Red <sup>b</sup>			
Wavelength Range	630-680 nm		
Insertion Loss	≤ 1 dB (Typical)		
Transmission	≥ 80 % (Typical)		
Port Jacket Color White <sup>c</sup>			
Wavelength	1000 nm	1050 nm	1100 nm
Transmission <sup>d</sup>	93.59%	99.87%	97.43%
Insertion Loss <sup>e</sup>	0.29 dB	0.01 dB	0.11 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. Single mode operation in this wavelength range is not guaranteed due to the fiber cut-off wavelength. Specifications by design
- c. All values are measured at room temperature without connectors. The operating range of this channel is indicated by the shaded region in the graph on the next page.
- d. Calculated from measured insertion loss data below.
- e. Ratio of the input power to the output power for each port of the pointer combiner (WDM).

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

## Test Data



This wavelength combiner (WDM) operation is only guaranteed over the specified bandwidth as defined by the colored regions above. Thorlabs displays a wider wavelength range to provide insight into how this particular device would perform if used outside its guaranteed operating range. The out-of-band performance can vary from device to device.