



**FINAL INSPECTION REPORT**  
**1x2 Wavelength Combiner / Splitter (WDM)**

Item #: GB11A1  
SN: T000977

Center Wavelength  
Blue Port: 488 nm  
Green Port: 532 nm  
Maximum Optical Power<sup>a</sup>  
With Connectors or Bare Fiber: 50 mW  
Spliced: 100 mW  
Fiber Type: Nufern 460-HP

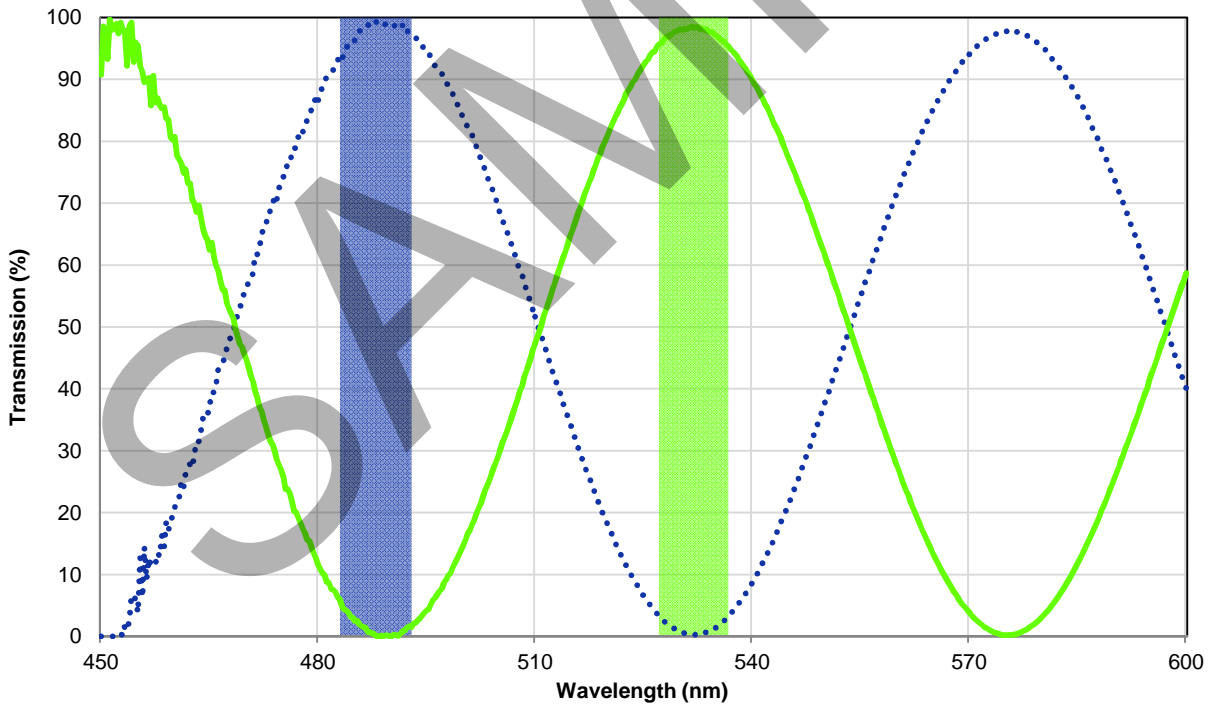
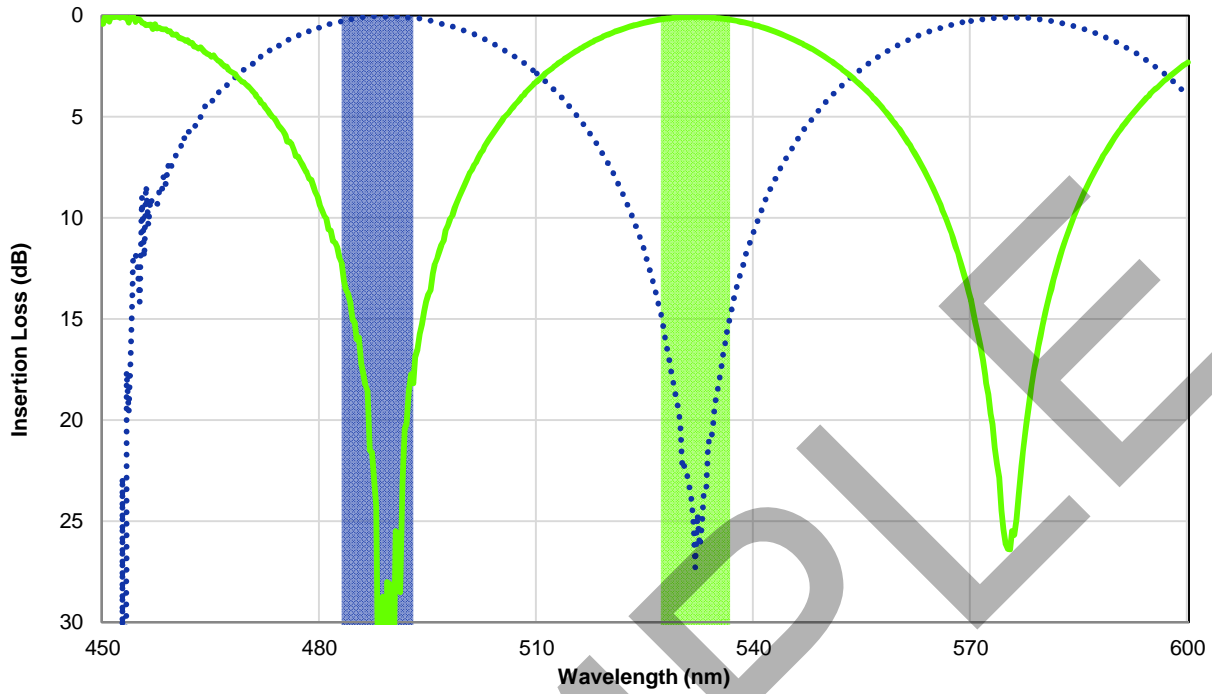
Test Data at Center Wavelength <sup>b</sup>		
Port Jacket Color	Blue	Green
Wavelength	488 nm	532 nm
Transmission <sup>c</sup>	23.7%	99.3%
Insertion Loss <sup>d</sup>	6.26 dB	0.03 dB
Isolation <sup>e</sup>	6.3 dB	27.3 dB

Test Data over Bandwidth <sup>b</sup>		
Bandwidth	483-493 nm	527-537 nm
Transmission <sup>c</sup>	95.1%	93.5%
Insertion Loss <sup>d</sup>	0.22 dB	0.29 dB
Isolation <sup>e</sup>	12.2 dB	14.7 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.
- c. Calculated from measured insertion loss data below.
- d. Insertion loss is the ratio of the input power to the output power for each port of the wavelength combiner / splitter (WDM).
- e. Isolation represents the minimum crosstalk between ports.

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



This wavelength combiner / splitter (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.