



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

Item #: NG71A1
SN: T005529

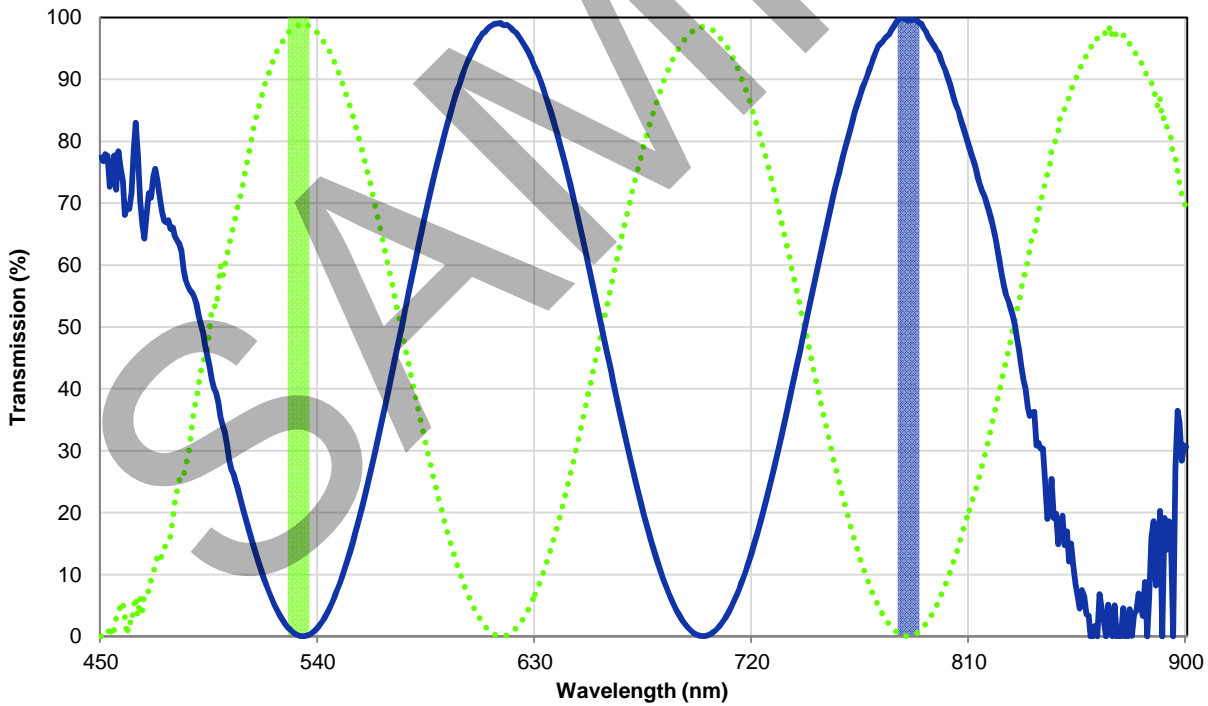
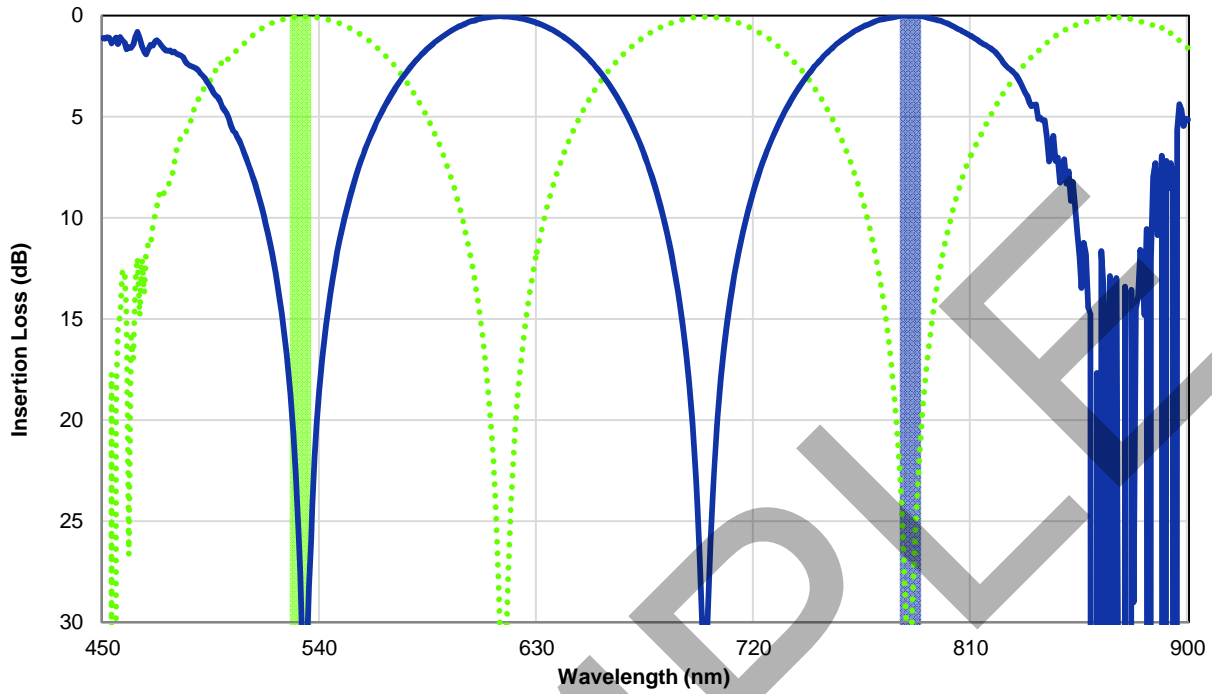
Center Wavelength
Green Port: 532 nm
White Port: 785 nm
Maximum Optical Power^a
With Connectors or Bare Fiber: 100 mW
Spliced: 250 mW
Fiber Type: Nufern 630-HP

Test Data at Center Wavelength ^b		
Port Jacket Color	Green	White
Wavelength	532 nm	785 nm
Transmission ^c	99.5%	98.6%
Insertion Loss ^d	0.02 dB	0.06 dB
Isolation ^e	27.7 dB	32.7 dB

Test Data over Bandwidth ^b		
Bandwidth	527-537 nm	780-790 nm
Transmission ^c	99.1%	97.5%
Insertion Loss ^d	0.04 dB	0.11 dB
Isolation ^e	18.3 dB	20.6 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.