



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

Item #: GB19A1
SN: T000369

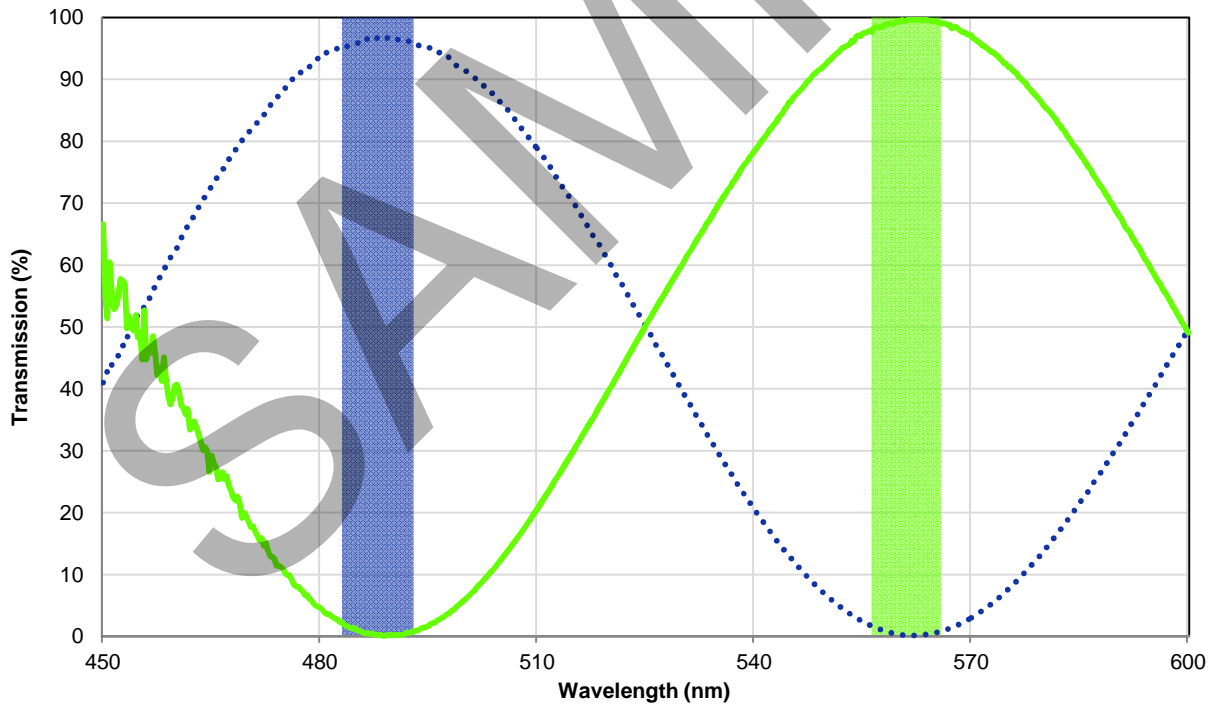
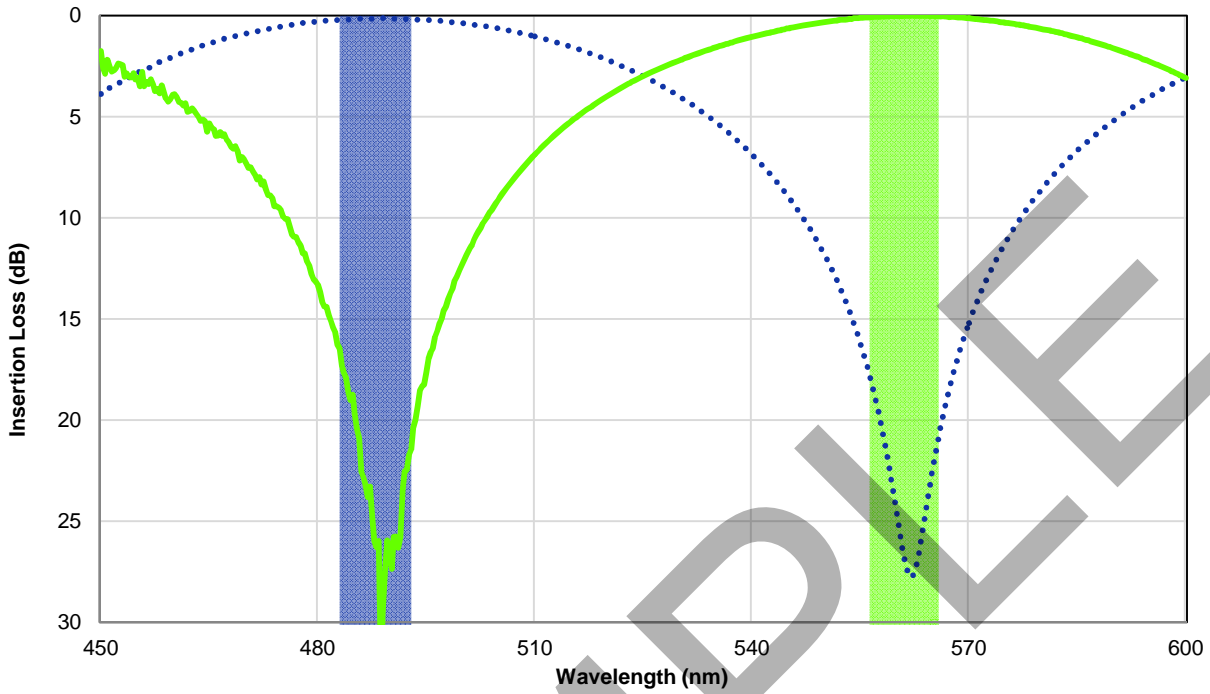
Center Wavelength
Blue Port: 488 nm
Green Port: 561 nm
Maximum Optical Power^a
With Connectors or Bare Fiber: 50 mW
Spliced: 100 mW
Fiber Type: Nufern 460-HP

Test Data at Center Wavelength ^b		
Port Jacket Color	Blue	Green
Wavelength	488 nm	561 nm
Transmission ^c	99.5%	96.6%
Insertion Loss ^d	0.02 dB	0.15 dB
Isolation ^e	26.5 dB	26.7 dB

Test Data over Bandwidth ^b		
Bandwidth	483-493 nm	556-566 nm
Transmission ^c	98.0%	94.8%
Insertion Loss ^d	0.09 dB	0.23 dB
Isolation ^e	16.5 dB	17.7 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.