



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

Item #: NR74A1
SN: T005132

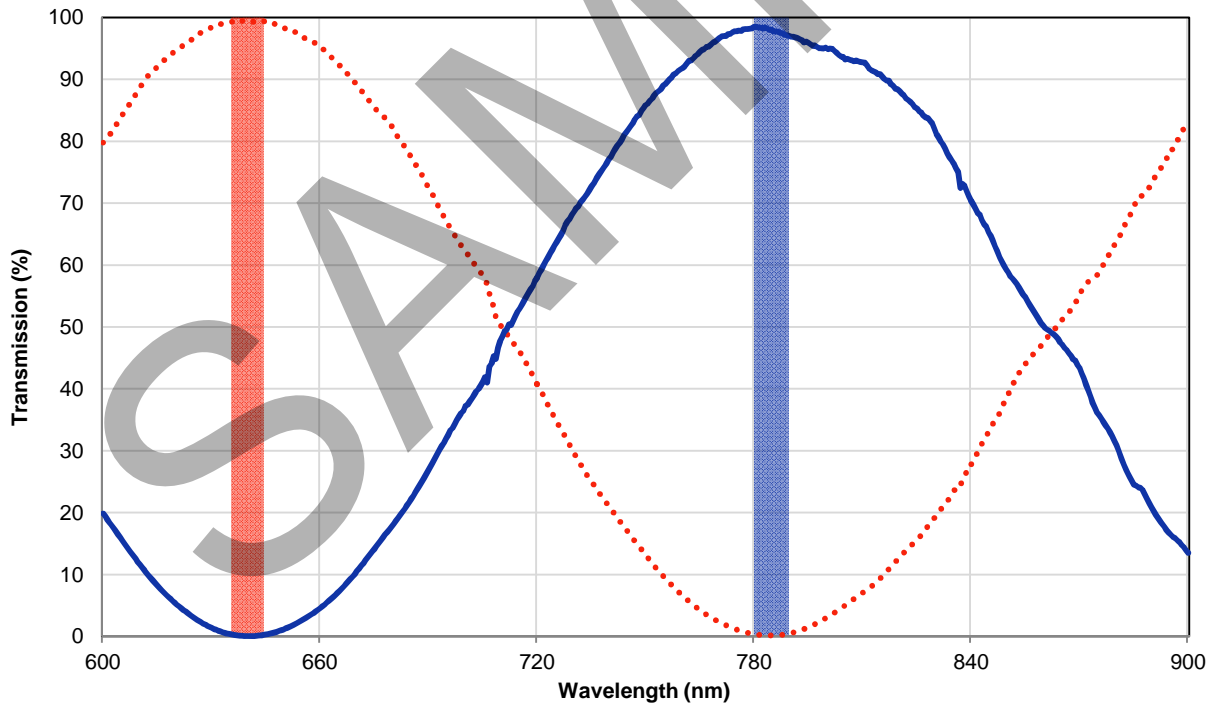
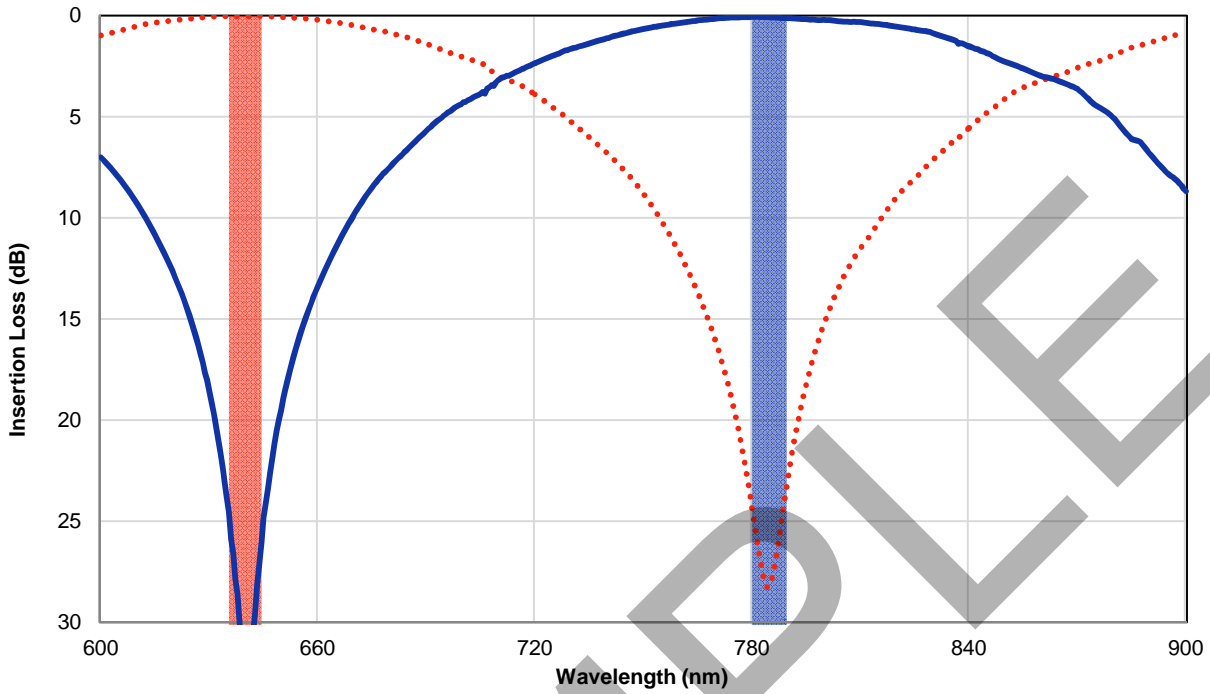
Center Wavelength
Red Port: 640 nm
White Port: 785 nm
Maximum Optical Power^a
With Connectors or Bare Fiber: 300 mW
Spliced: 0.5 W
Fiber Type: Nufern 630-HP

Test Data at Center Wavelength ^b		
Port Jacket Color	Red	White
Wavelength	640 nm	785 nm
Transmission ^c	23.7%	99.3%
Insertion Loss ^d	6.25 dB	0.03 dB
Isolation ^e	6.3 dB	28.2 dB

Test Data over Bandwidth ^b		
Bandwidth	635-645 nm	780-790 nm
Transmission ^c	97.1%	99.3%
Insertion Loss ^d	0.13 dB	0.03 dB
Isolation ^e	24.6 dB	23.3 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.