THORLABS

FINAL INSPECTION REPORT

1x2 PM Wavelength Combiner / Splitter (WDM)

Item #: WP9850A
SN: T019325

Center Wavelength
- White Port: 980 nm
- Red Port: 1550 nm

Maximum Optical Power[a]
- With Connectors or Bare Fiber: 1 W
- Spliced: 5 W

Fiber Type: Corning PM 98-U25D

Test Data at Center Wavelength[b]		
Port Jacket Color	White	Red
Wavelength	980 nm	1550 nm
Transmission[c]	92.0%	99.3%
Insertion Loss[d]	0.36 dB	0.03 dB
Isolation[e]	>50.0 dB	27.0 dB
PER[f]	20 dB	23.4 dB

Test Data over Bandwidth[b]		
Bandwidth	970-990 nm	1535-1565 nm
Transmission[c]	89.3%	98.9%
Insertion Loss[d]	0.49 dB	0.05 dB
Isolation[e]	48.2 dB	20.4 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.

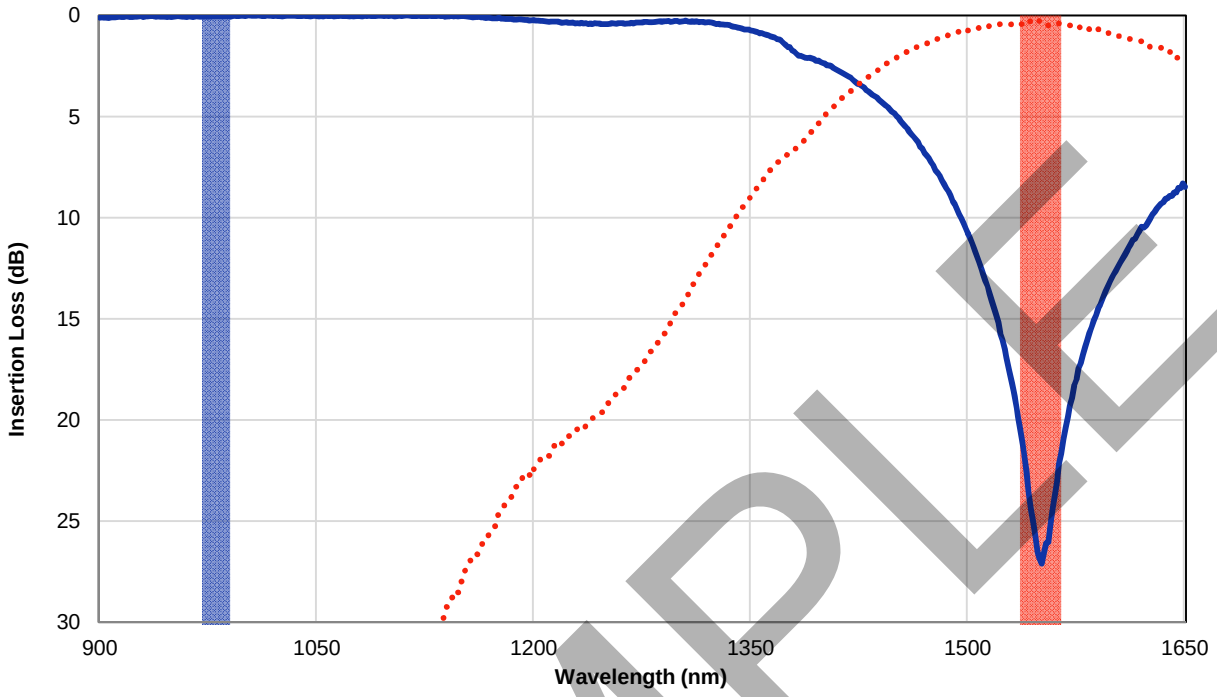
c. Calculated from measured insertion loss data below.

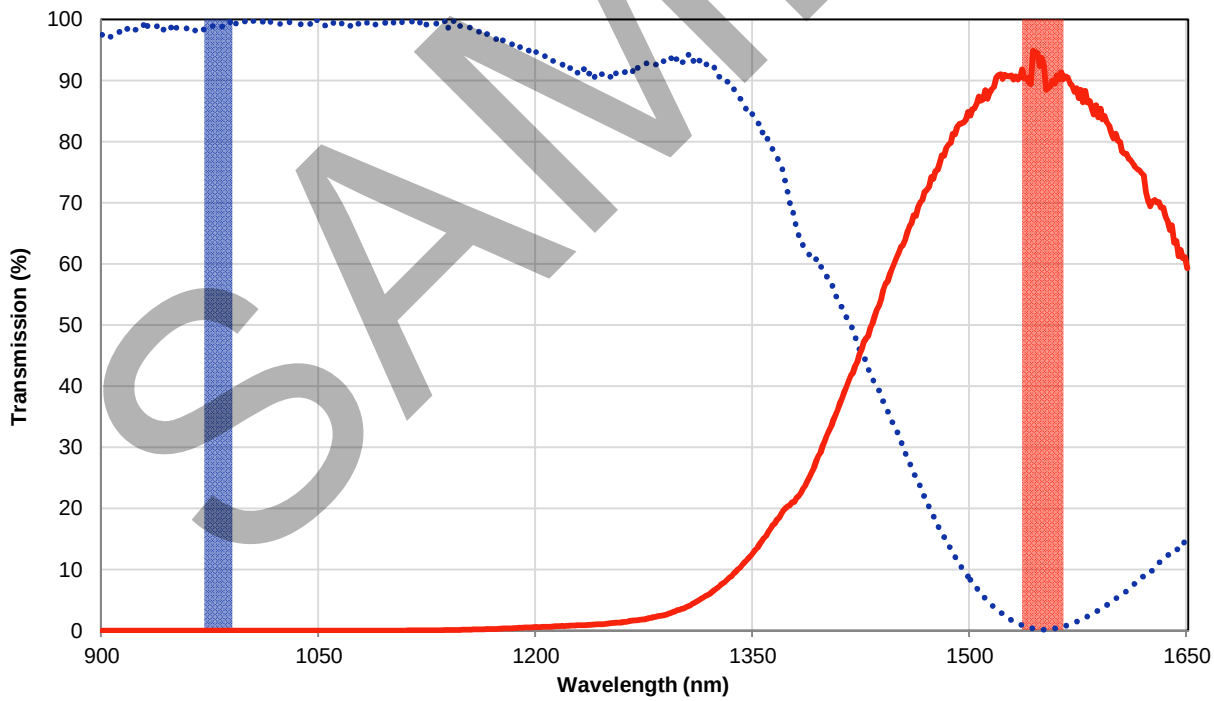
d. Ratio of the input power to the output power for each port of the wavelength combiner / splitter (WDM).

e. Indicates the minimum crosstalk between ports.

f. Measured with a slow axis launch at room temperature with connectors at the center wavelength.

Verified by: _____





The operation of this PM wavelength combiner / splitter (WDM) 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.