THORLABS

FINAL INSPECTION REPORT

1x2 Wavelength Combiner / Splitter (WDM)

Item #: WD1450F
SN: T021649

Center Wavelength
- White Port: 1480 nm
- Red Port: 1550 nm

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

Fiber Type: CORNING SMF-28E+

Test Data at Center Wavelength[b]		
Port Jacket Color	White	Red
Wavelength	1480 nm	1550 nm
Transmission[c]	97.3%	98.0%
Insertion Loss[d]	0.12 dB	0.09 dB
Isolation[e]	19.4 dB	18.2 dB

Test Data over Bandwidth[b]		
Bandwidth	1475-1485 nm	1545-1555 nm
Transmission[c]	95.7%	96.4%
Insertion Loss[d]	0.19 dB	0.16 dB
Isolation[e]	15.4 dB	15.9 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.

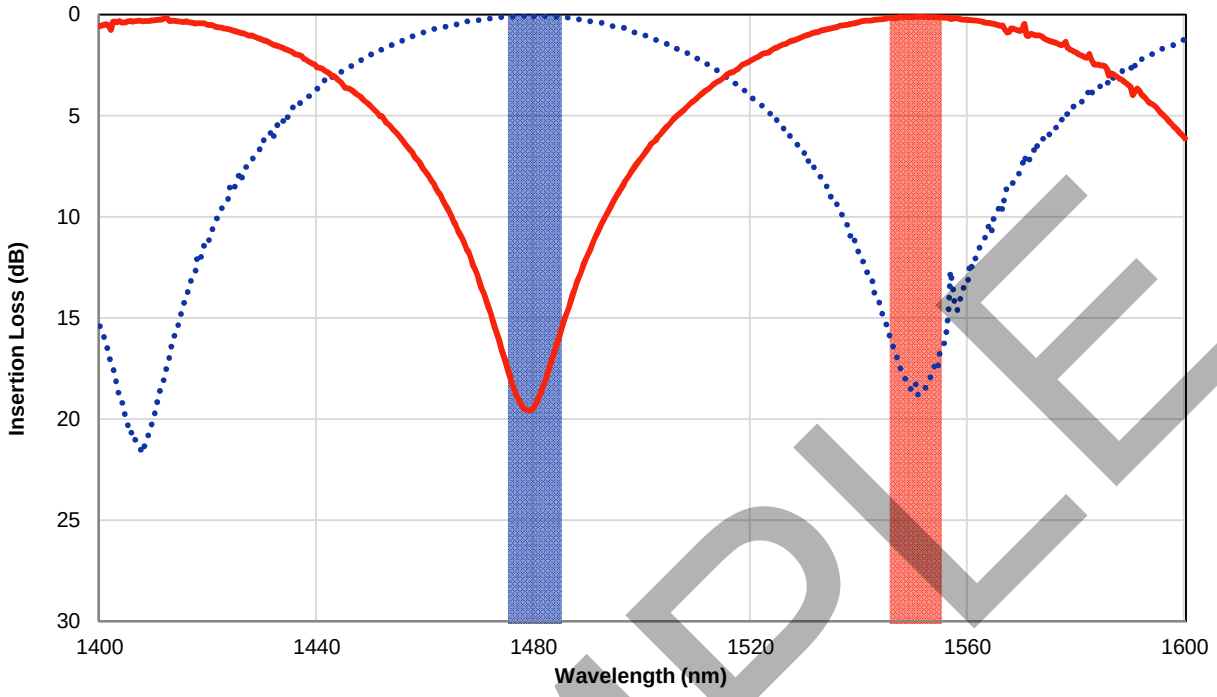
b. All values are measured at room temperature without connectors.

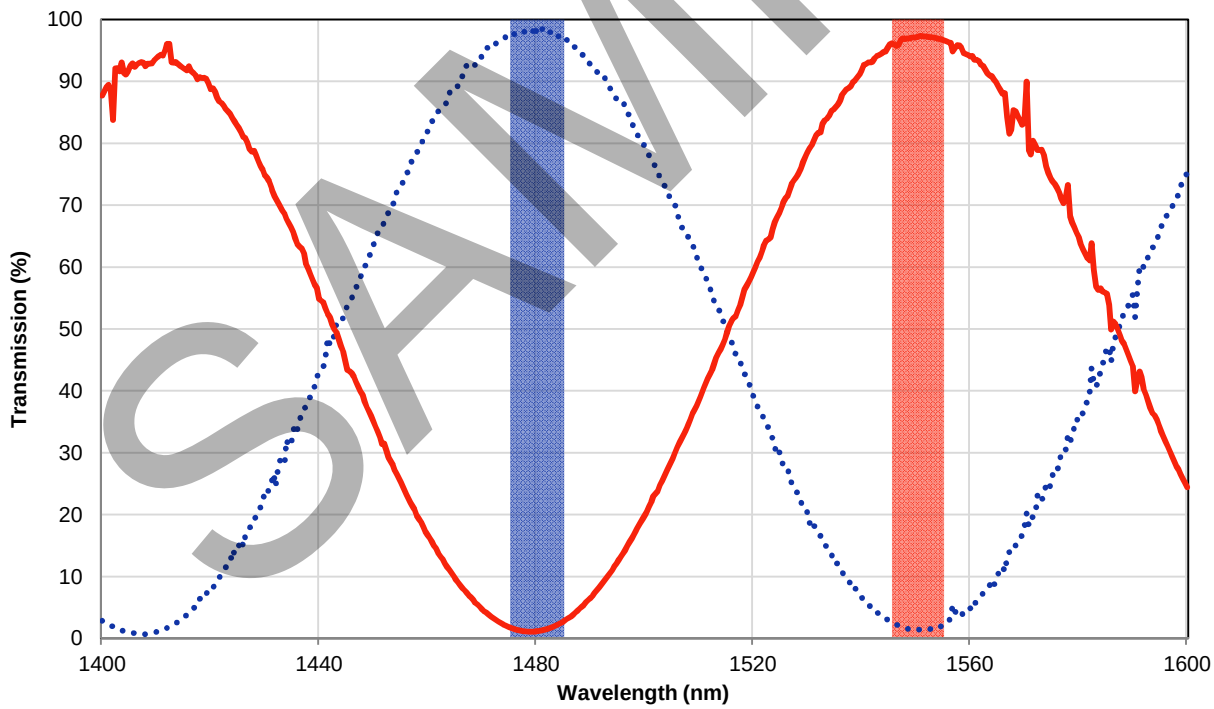
c. Calculated from measured insertion loss data below.

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.