



FINAL INSPECTION REPORT

1x2 PM Wavelength Combiner / Splitter (WDM)

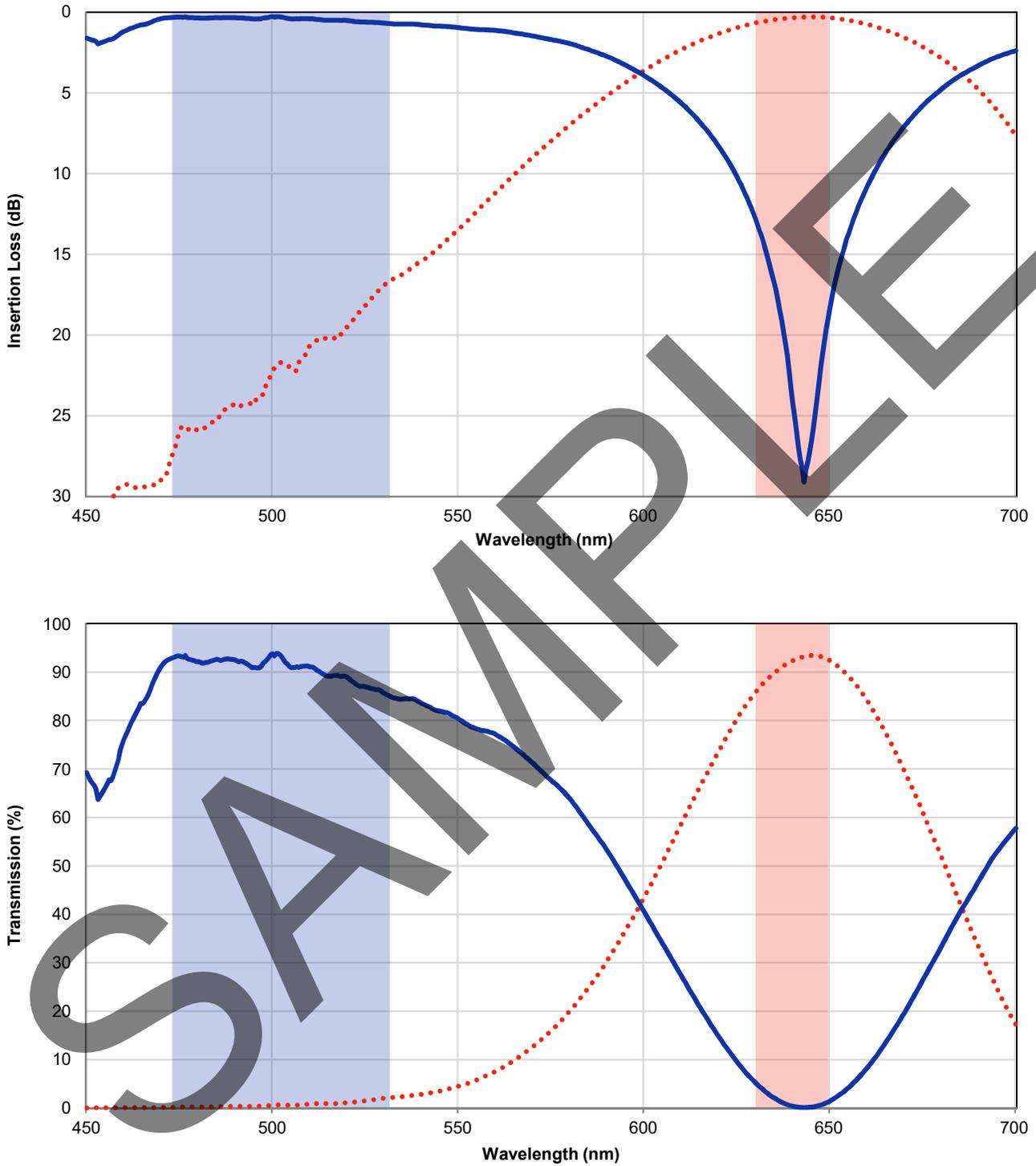
Item #: RB41AP
SN: T056231

Wavelength Operating Range
Blue Port: 473 - 532 nm
Red Port: 630 - 650 nm
Maximum Optical Power^a
With Connectors or Bare Fiber: 50 mW
Spliced: 100 mW
Fiber Type: Thorlabs Custom Fiber

Test Data ^b						
Port	Blue					Red
Wavelength	473 nm	488 nm	520 nm	532 nm	561 nm	640 nm
Transmission ^c	93.0%	93.0%	89.0%	85.0%	77.0%	92.3%
Insertion Loss ^d	0.32 dB	0.33 dB	0.51 dB	0.71 dB	1.15 dB	0.35 dB
Isolation ^e	27.5 dB	24.5 dB	19.5 dB	16.6 dB	11.0 dB	24.2 dB
PER ^f	26 dB					29 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 and measured at 488 nm and 640 nm respectively through the common port.

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.