

FINAL INSPECTION REPORT

2x2 50:50 PM Narrowband Coupler

Item #: PN635R5A2
 SN: T025987

Center Wavelength: 635 nm
 Coupling Ratio Specification
 Signal Output: 46 % - 54 %
 Tap Output: 46 % - 54 %
 Bandwidth: ± 15 nm
 Maximum Optical Power^a
 With Connectors or Bare Fiber: 300 mW
 Spliced: 0.5 W
 Fiber Type: Thorlabs Custom Fiber

Test Data ^b	
Excess Loss ^c	0.35 dB
Input-Output Path	White (Input) – White (Signal Output)
Coupling Ratio ^d	52 %
Insertion Loss ^e	3.19 dB
PER ^f	31 dB
Input-Output Path	White (Input) – Red (Tap Output)
Coupling Ratio ^d	48 %
Insertion Loss ^e	3.54 dB
PER ^f	23 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, except PER, are measured at room temperature without connectors through the white input port.
- c. Ratio of the input optical power to the total optical power from all output ports. It is measured at the center wavelength.
- d. Does not include losses, as this is a measurement of the output power distribution only.
- e. Includes both the split of the power between the two outputs, as well as any optical losses in the coupler.
- f. Measured with a slow axis launch at room temperature with connectors at the center wavelength through the white input port.

Verified by: _____