THORLABS

FINAL INSPECTION REPORT

2x2 50:50 PM Narrowband Coupler

Item #: PN1550R5A2
SN: T008300

Center Wavelength: 1550 nm
Coupling Ratio Specification
Signal Output: 46 % - 54 %
Tap Output: 46 % - 54 %
Bandwidth: ±15 nm
Maximum Optical Power[a]
With Connectors or Bare Fiber: 1 W
Spliced: 5 W
Fiber Type: Corning PR PM 15-U25D-H

Test Data[b]	
Excess Loss[c]	≤ 0.5 dB
Input-Output Path	White (Input) – White (Signal Output)
Coupling Ratio[d]	49.6 %
Insertion Loss[e]	3.15 dB
PER[f]	24.6 dB
Input-Output Path	White (Input) – Red (Tap Output)
Coupling Ratio[d]	50.4 %
Insertion Loss[e]	3.08 dB
PER[f]	27.9 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 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: _____