

**FINAL INSPECTION REPORT**

**2x2 300 µm Core 50:50 Multimode Coupler**

Item #: TT300R5S2B  
 SN: T103264

Bandwidth: 400 - 2200 nm  
 Coupling Ratio Specification  
 Signal Output: 45 % - 55 %  
 Tap Output: 45 % - 55 %  
 Maximum Optical Power<sup>a</sup>  
 With Connectors or Bare Fiber: 5 W  
 Spliced: 10 W  
 Fiber Type: Thorlabs FT300EMT  
 NA: 0.39

Test Data <sup>b</sup>	
Excess Loss <sup>c</sup>	≤ .65 dB
Input-Output Path	White (Input) - White (Signal Output)
Coupling Ratio <sup>d</sup>	51.2 %
Insertion Loss <sup>e</sup>	3.09 dB
Input-Output Path	White (Input) - Red (Tap Output)
Coupling Ratio <sup>d</sup>	48.8 %
Insertion Loss <sup>e</sup>	3.3 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 at 650 nm 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 specified 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.

Verified by: \_\_\_\_\_