

## FINAL INSPECTION REPORT

### 3x1 Power Combiner

Item #: MP3HB1  
SN: T120652

Wavelength Range: 400 - 2200 nm  
Maximum Power Level/Port<sup>a</sup>: 50 W

Test Data <sup>b,c</sup>	
Transfer Efficiency	
Input 1 (Red)	95.8 %
Input 2 (Blue)	94.1 %
Input 3 (Black)	96.6 %

Fiber Specifications		
	Input	Output
Type	MM-S105/125-22A	MM-S200/220-22A
Core Diameter	105 $\mu\text{m}$	200 $\mu\text{m}$
Cladding Diameter	125 $\mu\text{m}$	220 $\mu\text{m}$
Core NA	0.22	0.22

- a. Specifies the maximum power allowed through the component. Good thermal contact to an appropriately sized heat sink is required for operation at high optical powers. 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. Measured at 976 nm.

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