THORLABS

FINAL INSPECTION REPORT

2x2 400 µm Core 90:10 Multimode Coupler

Item #: TH400R2F2B
SN: T065800

Bandwidth: 400 - 2200 nm
Coupling Ratio Specification
Signal Output: 88.5 % - 91.5 %
Tap Output: 8.5 % - 11.5 %
Maximum Optical Power[a]
With Connectors or Bare Fiber: 5 W
Spliced: 10 W
Fiber Type: Thorlabs FP400ERT
NA: 0.50

Test Data[b]	
Excess Loss[c]	≤ 0.5 dB
Input-Output Path	White (Input) - White (Signal Output)
Coupling Ratio[d]	89.8 %
Insertion Loss[e]	0.49 dB
Input-Output Path	White (Input) - Red (Tap Output)
Coupling Ratio[d]	10.2 %
Insertion Loss[e]	9.95 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: _____