

FINAL INSPECTION REPORT

2x2 75:25 PM Narrowband Coupler

Item #: PN780R3A2
SN: T021160

Center Wavelength: 780 nm
Coupling Ratio Specification
Signal Output: 73 % - 77 %
Tap Output: 23 % - 27 %
Bandwidth: ± 15 nm
Maximum Optical Power^a
With Connectors or Bare Fiber: 0.5 W
Spliced: 2 W
Fiber Type: YOFC PM1012-A+ (850)

Test Data ^b	
Excess Loss ^c	0.35 dB
Input-Output Path	White (Input) – White (Signal Output)
Coupling Ratio ^d	75.2 %
Insertion Loss ^e	1.59 dB
PER ^f	28 dB
Input-Output Path	White (Input) – Red (Tap Output)
Coupling Ratio ^d	24.8 %
Insertion Loss ^e	6.4 dB
PER ^f	26.5 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: _____