

FINAL INSPECTION REPORT 1x2 99:1 PM Narrowband Coupler

Item #: PN780R1F1
SN: T021004

Center Wavelength: 780 nm
Coupling Ratio Specification
Signal Output: 98.5 % - 99.5 %
Tap Output: 0.5 % - 1.5 %
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	0.23 dB
Input-Output Path	White (Input) – White (Signal Output)
Coupling Ratio ^d	98.7 %
Insertion Loss ^e	0.29 dB
PER ^f	27.5 dB
Input-Output Path	White (Input) – Red (Tap Output)
Coupling Ratio ^d	1.3 %
Insertion Loss ^e	18.96 dB
PER ^f	20 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.