



MULTIMODE COMPONENTS

PM Mode Field Adaptor

ITF Labs' PM Mode Field Adaptor feature exceptional optical characteristics.

These devices expand the mode field of a PM single mode fiber to match the size of the LP01 mode on the multimode output fiber.

This ensures maximum power transmission and minimum degradation of the signal quality (m^2). These devices can also be used to absorb residual pump light in the reverse direction, preventing damage in your seed or to the isolator.

These devices are qualified in both low and high dissipation version for high power applications like fiber lasers and amplifiers. Custom Mode Field Adaptors can be designed to meet a wide range of fiber types.



For more information on this or other products and their availability, please contact our customer service at **514.748.4848** (Int'l) / **1.888.922.1044** (Canada & USA only) or via e-mail at info@itflabs.com

KEY FEATURES

- High Power Transfer Efficiency
- Preservation of Modal Content
- Wavelength Insensitive
- High PER
- Custom Configurations Available
- RoHS Compliant

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SPECIFICATIONS

STANDARD CONFIGURATIONS

Product Code	PFA100S2021	PFA100S2041	PFA100S6021
Optical Specifications			
Operating Wavelength	1030-1080 nm	1030-1080 nm	1030-1080 nm
Input Fiber core/clad diameter NA	PM Panda 980	PM Panda 980	PM 10 μ m/125 μ m 0.08
Output Fiber core/clad diameter NA	PM 20 μ m/400 μ m 0.06/0.46	PM 30 μ m/250 μ m 0.06/0.46	PM 20 μ m/400 μ m 0.06/0.46
Maximum Absorbed Power ¹	10 W	10 W	10 W
LP01 Maximum Insertion Loss	< 0.5 dB	< 0.5 dB	< 0.5 dB
Polarization Extinction Ratio	> 15 dB	> 15 dB	> 15 dB
Mechanical Specifications			
Dimensions	60 x 12 x 6.5 mm	60 x 12 x 6.5 mm	60 x 12 x 6.5 mm
Fiber Pigtail Length Input Output	> 750 mm < 500 mm	> 750 mm < 500 mm	> 750 mm < 500 mm

¹The maximum absorbed power corresponds to the power from the insertion loss and the backward light.

ORDERING INFORMATION

For standard products, please use product codes specified above. ITF Labs can also develop custom PM mode field adaptors to meet a wide range of technical requirements.



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