

MULTIMODE COMPONENTS

PM Mode Field Adaptor

ITF Labs' PM Mode Field Adaptors 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	PFA100S6021	PFA100S2061	PFA100S6061	PFA100S2051	PFA100S2041
Optical Specifications						
Operating Wavelength	1060 nm					
Input Fiber Core/clad diameter NA	PM Panda 980	PM 10/125 μm 0.08	PM Panda 980	PM 10/125 μm 0.08	PM Panda 980	PM Panda 980
Output Fiber Core/clad diameter NA	PM 20/400 μm 0.06/0.46		PM 25/250 μm 0.11/0.46		PM 25/250 μm 0.06/0.46	PM 30/250 μm 0.06/0.46
Maximum Cladding Light Absorption ¹	10 W					
Maximum Transmitted Power ³	200 W					
LP01 Maximum Insertion Loss	< 0.5 dB					
Polarization Extinction Ratio	> 15 dB					
Mechanical Specifications						
Dimensions	60 x 12 x 6.5 mm					
Fiber Pigtail Length Input/Output ²	A= 1000 mm B= 2000 mm C= 3000 mm					

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

²Pricing is dependant on fiber pigtail length.

³Higher power rating available on request.

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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.



ITF Labs

400 Montpellier Blvd
Montreal, Quebec H4N 2G7 CANADA

Tel: 514.748.4848

Fax: 514.744.2080

1.888.922.1044

www.itflabs.com info@itflabs.com