



## MULTIMODE COMPONENTS

### Mode Field Adaptor

ITF Labs' Mode Field Adaptors feature exceptional optical characteristics.

These devices expand the mode field of a 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](mailto:info@itflabs.com)

#### KEY FEATURES

- High Power Transfer Efficiency
- Preservation of Modal Content
- Wide Optical Wavelength Band
- Custom Configurations Available
- RoHS Compliant

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## Mode Field Adaptor

### SPECIFICATIONS

#### STANDARD CONFIGURATIONS

Product Code	MFA100S2101	MFA100S2021	MFA100S7101	MFA100S7021
<b>Optical Specifications</b>				
Operating Wavelength	1040-1080 nm			
Input Fiber Core/clad diameter NA	HI 1060		10/125 $\mu$ m 0.08/0.46	10/125 $\mu$ m 0.08
Output Fiber Core/clad diameter NA	25/250 $\mu$ m 0.06/0.46	20/400 $\mu$ m 0.06/0.46	25/250 $\mu$ m 0.06/0.46	20/400 $\mu$ m 0.06/0.46
Maximum Cladding Light Absorption	10 W			
Maximum Transmitted Power <sup>1</sup>	200 W			
LP01 Maximum Insertion Loss	< 0.5 dB			
<b>Mechanical Specifications</b>				
Dimensions	60 x 12 x 6.5 mm			
Fiber Pigtail Length Input/Output <sup>2</sup>	A= 1000 mm B= 2000 mm C= 3000 mm			

<sup>1</sup>Higher power rating available on request.

<sup>2</sup>Pricing is dependant on fiber pigtail length.

PRINTED IN CANADA Jan 09

### ORDERING INFORMATION

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



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