



Labs

MULTIMODE COMPONENTS

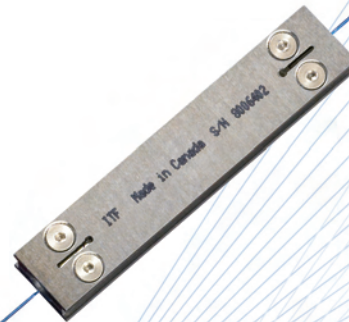
Mode Field Adaptor

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

KEY FEATURES

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

MULTIMODE COMPONENTS

Mode Field Adaptor

SPECIFICATIONS

STANDARD CONFIGURATIONS

Product Code	MFA100S2101	MFA100S2021	MFA100S2041	MFA100S7101	MFA100S7021
Optical Specifications					
Operating Wavelength	1040-1080 nm				
Input Fiber Core/clad diameter NA	HI 1060			10/125 μ m 0.08/0.46	10/125 μ m 0.08
Output Fiber Core/clad diameter NA	25/250 μ m 0.06/0.46	20/400 μ m 0.06/0.46	25/300 μ m 0.06/0.46	25/250 μ m 0.06/0.46	20/400 μ m 0.06/0.46
Maximum Cladding Light Absorption (1)	10 W				
Maximum Transmitted Power (2)	100 W				
LP01 Maximum Insertion Loss	< 0.5 dB				
Mechanical Specifications					
Dimensions	60 x 12 x 6.5 mm				
Fiber Pigtail Length Input/Output (3)	A= 1000 mm B= 2000 mm C= 3000 mm				

- (1) The maximum absorbed power corresponds to the power from the insertion loss and the backward light.
 (2) Higher power rating available on request.
 (3) Pricing is dependant on fiber pigtail length.

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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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