

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 of 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 to the seed or isolator.

These devices are qualified in both low and high dissipation versions 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) Not designed to guide clad borne light.
 (2) Higher power rating available on request.
 (3) Pricing is dependant on fiber pigtail length.

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.



ITF Labs

400 Montpellier Blvd
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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 of 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 to the seed or isolator.

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



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KEY FEATURES

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

MULTIMODE COMPONENTS

PM Mode Field Adaptor

SPECIFICATIONS

STANDARD CONFIGURATIONS

Product Code	PFA100S2021	PFA100S6021	PFA100S2061	PFA100S6061	PFA100S2051
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
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
Maximum Cladding Light Absorption (1)	10 W				
Maximum Transmitted Power (3)	100 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				

- (1) Not designed to guide clad borne light.
 (2) Pricing is dependant on fiber pigtail length.
 (3) Higher power rating available on request.

PRINTED IN CANADA Jan 2011

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For standard products, please use product codes specified above.
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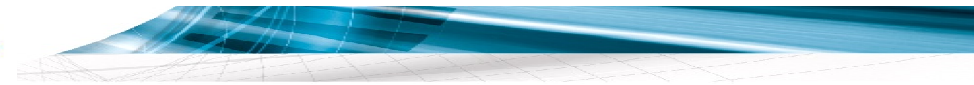
Fax: 514.744.2080

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モードフィールドアダプター (non-PMタイプ) 製品リスト

詳細仕様がが必要な場合は、PART#をお知らせ下さい。データシートをご用意致します。



MODE FIELD ADAPTORS

PKG	PART #	INPUT PORT	OUTPUT PORT
non PM			
LP	MFA100S1080	SMF-28	20/125 um NA=0.11
LP	MFA100C4291	SMF-28	125 um Nufern UHNA4
LP	MFA100S1090	SMF-28	20/200 um NA=0.11/0.46
HP	MFA100C3672	SMF-28	25/250 um NA=0.11/0.46
HP	MFA100C3117	SMF-28	25/300 um NA=0.10/0.46
HP	MFA100C3906	SMF-28	25/400 um NA=0.08/0.46
HP	MFA100C5424	SMF-28	100/400 NA 0.09/0.46
HP	MFA100C5491	Hi 1060	2.6/125 um NA=0.35
LP	MFA100S2110	Hi 1060	10/125 um NA=0.08
HP	MFA100S2111	Hi 1060	10/125 um NA=0.08
LP	MFA100C4237	Hi 1060	10/125 um NA=0.08/0.46
HP	MFA100C4124	Hi 1060	20/125 um NA=0.10
HP	MFA100C5665	Hi 1060	20/125 um NA=0.10/0.46
LP	MFA100C4236	Hi 1060	20/125 um NA=0.11
LP	MFA100C5716	Hi 1060	20/125 um NA=0.12
HP	MFA100C4568	Hi 1060	20/125 um NA=0.12
HP	MFA100C2681	Hi 1060	15/130 um NA=0.08/0.46
HP	MFA100C5497	Hi 1060	20/130 um NA=0.08/0.46
HP	MFA100C3028	Hi 1060	25/250 um NA=0.06/0.46
HP	MFA100S2121	Hi 1060	25/250 um NA=0.11/0.46
HP	MFA100C3590	Hi 1060	25/250 um NA=0.11/0.46
HP	MFA100C5361	Hi 1060	30/250 um NA=0.07/0.46
HP	MFA100C5490	Hi 1060	Gain fiber 30/250 um NA=0.07/0.46
HP	MFA100C4787	Hi 1060	25/400 um NA=0.06/0.46
HP	MFA100C4920	7/130 um NA=0.12	25/300 um NA=0.10/0.46
LP	MFA100C5715	10/123 um NA=0.08	20/125 um NA=0.12
HP	MFA100C5536	10/125 um NA=0.08/0.46	25/250 um NA=0.06/0.46
HP	MFA100C4996	10/125 um NA=0.08/0.46	30/250 um NA=0.06/0.46
HP	MFA100C3739	10/125 um NA=0.08/0.46	20/400 um NA=0.06/0.46
HP	MFA100C3152	15/130 um NA=0.08/0.46	25/250 um NA=0.06/0.46
HP	MFA100C4514	15/130 um NA=0.08/0.46	25/250 um NA=0.11/0.46
HP	MFA100C4334	20/200 um NA=0.11/0.46	25/300 um NA=0.10/0.46
HP	MFA100C3969	20/200 um NA=0.11/0.46	20/400 um NA=0.06/0.46
HP	MFA100C4809	20/400 um NA=0.06/0.46	25/400 um NA=0.06/0.46



光技術をサポートする

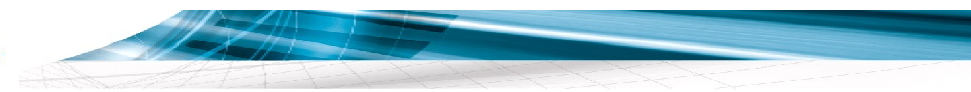
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モードフィールドアダプター (PMタイプ) 製品リスト

詳細仕様がが必要な場合は、PART#をお知らせ下さい。データシートをご用意致します。



MODE FIELD ADAPTORS

PKG	PART #	INPUT PORT	OUTPUT PORT
PM Panda			
HP	PFA100S2071	PM Panda 980	PM 10/125 um NA=0.08/0.46
LP	PFA100S2010	PM Panda 980	PM 15/130 um NA=0.08/0.46
HP	PFA100S2011	PM Panda 980	PM 15/130 um NA=0.08/0.46
HP	PFA100C4296	PM Panda 980	PM 20/125 um NA=0.07/0.46
HP	PFA100S2021	PM Panda 980	PM 20/400 um NA=0.06/0.46
HP	PFA100S2051	PM Panda 980	PM 25/250 um NA=0.06/0.46
HP	PFA100S2061	PM Panda 980	PM 25/250 um NA=0.11/0.46
HP	PFA100C3413	PM Panda 980	PM 25/400 um NA=0.06/0.46
HP	PFA100C3604	PM Panda 980	PM 25/440 um NA=0.06/0.46
PM			
HP	PFA100C4778	PM 1550	PM 12/130 um NA=0.2/0.46
LP	PFA100C5382	PM 5/130 um NA=0.14/0.46	PM 15/130 um NA=0.08/0.46
HP	PFA100S6021	PM 10/125 um NA=0.08	PM 20/400 um NA=0.06/0.46
HP	PFA100S6061	PM 10/125 um NA=0.08	PM 25/250 um NA=0.11/0.46
HP	PFA100S7051	PM 10/125 um NA=0.08/0.46	PM 25/250 um NA=0.06/0.46
HP	PFA100C5488	PM 10/125 um NA=0.08/0.46	PM 25/250 um NA=0.06/0.46
HP	PFA100C2638	PM 13/125 um NA=0.06	PM 25/250 um NA=0.06/0.46
HP	PFA100C4686	PM 10/130 um NA=0.15/0.46	PM 25/250 um NA=0.11/0.46
HP	PFA100C5604	PM 15/130 um NA=0.08/0.46	PM 25/250 um NA=0.06/0.46
HP	PFA100C4275	PM 15/130 um NA=0.08/0.46	PM 25/250 um NA=0.11/0.46
HP	PFA100C3014	PM 1550-GDF	PM 25/300 um NA=0.10/0.46
HP	PFA100C4777	PM 12/130 um NA=0.20	PM 25/300 um NA=0.10/0.46
HP	PFA100C5796	PM 10/125 um NA=0.08/0.46	PM 25/400 um NA=0.06/0.46
HP	PFA100C4676	PM 10/130 um NA=0.15/0.46	PM 25/400 um NA=0.10/0.46
HP	PFA100C3907	PM 1550	PM 25/400 um NA=0.10/0.46



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