



Multimode Components



Key Features

High Power Transfer Efficiency

Preservation of Modal Content

Wavelength Insensitive

High PER

Custom Configurations Available

RoHS Compliant

Applications

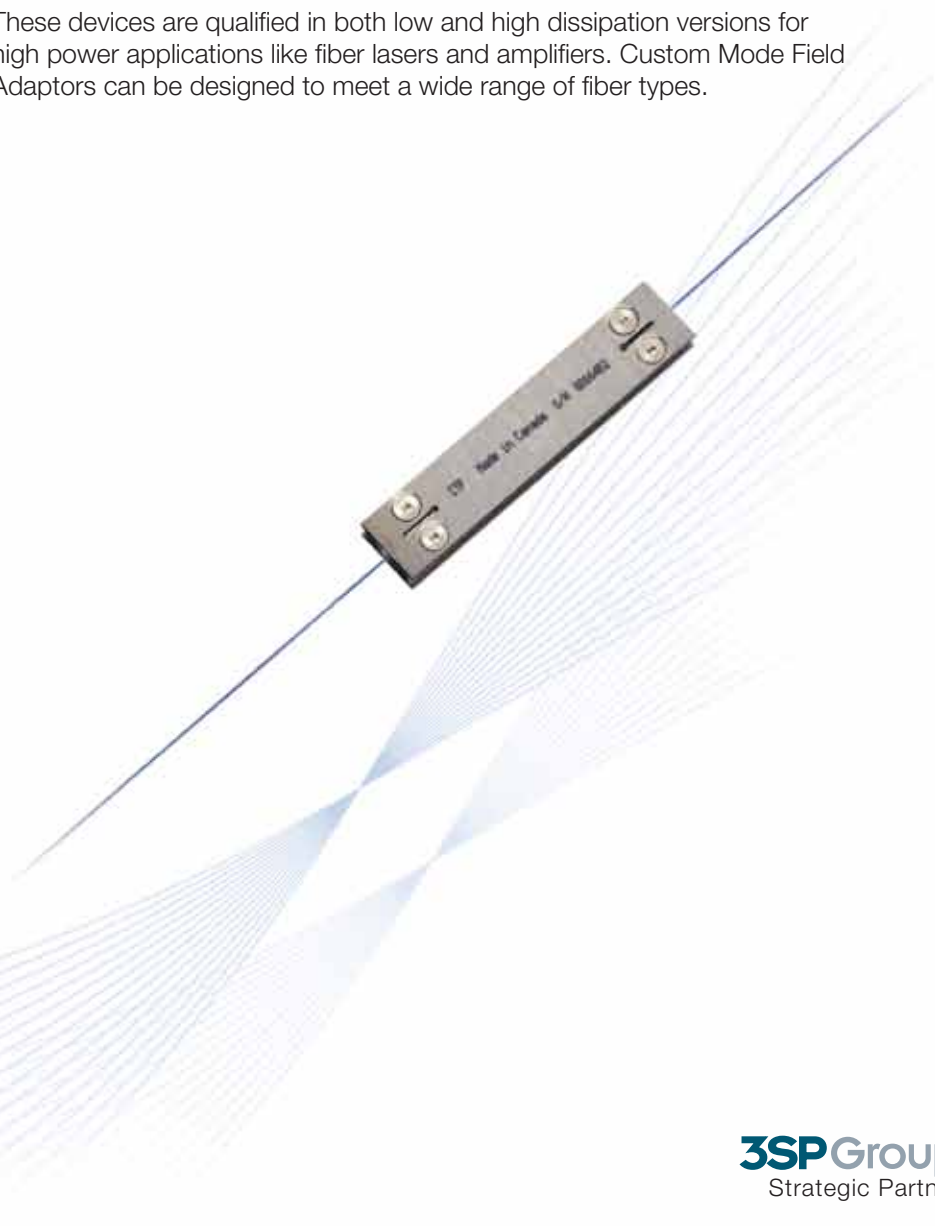
PM Fiber Lasers

PM Fiber Amplifiers

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.



For more Info

Please contact us at:

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PM Mode Field Adaptor

SPECIFICATIONS* STANDARD CONFIGURATIONS

Product Code	PFA100S2021	PFA100S6021	PFA100S2061	PFA100S6061	PFA100S2051
Optical Specifications					
Operating Wavelengths	1060 nm				
Input Fiber					
Core/clad diameter	PM Panda 980	PM 10/125 μm	PM Panda 980	PM 10/125 μm	PM Panda 980
NA		0.08		0.08	
Output Fiber					
Core/clad diameter	PM 20/400 μm		PM 25/250 μm		PM 25/250 μm
NA	0.06/0.46		0.11/0.46		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

*Specifications subject to change without notice.

Revised Jan 2012

ORDERING INFORMATION

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

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