



Multimode Components



Key Features

High Power Transfer Efficiency

Wavelength Insensitive

Custom Configurations Available

RoHS Compliant

Applications

Fiber Laser Combination

HIGH POWER Pump Combiners For DCF Output

ITF Labs' Multimode Pump Combiners feature exceptional optical characteristics. These devices can be used to combine the power from several multimode laser diodes, delivering the combined power for applications in industrial, military, medical and telecommunications markets.

ITF Labs' Multimode Combiners offer efficient power transfer for high power applications like fiber lasers and fiber amplifiers, with a maximum conservation of brightness. The Multimode Combiners can be designed to meet a wide range of power handling configurations, number of input fibers and adaptation to different fiber types.



For more Info

Please contact us at:

North America: **514.748.4848**
888.922.1044

Europe & Asia: **+33 (0) 1 69 80 57 50**
or via e-mail at info@itflabs.com

Multimode Components

HIGH POWER Pump Combiners For DCF Output

SPECIFICATIONS* STANDARD CONFIGURATIONS

Product Code	MMC07011011	MMC07012021	MMC07013021	MMC19012021	MMC19011071	MMC190110D1
Optical Specifications						
Pump Operating Wavelengths	800-1000 nm					
Number of Multimode Inputs	7			19		
Number of Signal Ports	0					
Number of DCF Ports	1					
Pump Input Fiber						
Core/clad diameter	105/125 μm	105/125 μm	200/220 μm	105/125 μm	105/125 μm	105/125 μm
NA	0.15	0.22	0.22	0.22	0.15	0.15
Output Fiber						
Core/clad diameter	125 μm	20/400 μm	20/400 μm	20/400 μm	20/200 μm	25/250 μm
NA	0.46	0.06/0.46	0.06/0.46	0.06/0.46	0.11/0.46	0.11/0.46
Power per Multimode Input	100 W			40 W		
Total Power	700 W			760 W		
Multimode Power Transfer Efficiency/Insertion Loss	> 90% / 0.5 dB	> 93% / 0.3 dB				
Optical Return Loss - Pumps	45 dB					
Mechanical Specifications						
Dimensions	60 x 12 x 6.5 mm					
Fiber Pigtail Length Input/Output (1)	A= 1000 mm B= 2000 mm C= 3000 mm					

(1) Pricing is dependant on fiber pigtail length

Revised Jan 2012

*Specifications subject to change without notice.

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.

ITF Labs
North America: 514.748.4848
888.922.1044
Europe and Asia: +33 (0)1 69 80 57 50
www.itflabs.com • info@itflabs.com

3SP Group
Strategic Partner