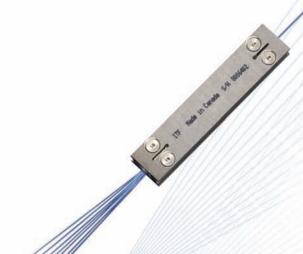


### MULTIMODE COMPONENTS

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.

# HIGH POWER Pump Combiners For DCF Output



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
- Wavelength Insensitive
- Custom Configurations Available
- RoHS Compliant



## HIGH POWER Pump Combiners For DCF Output

### **SPECIFICATIONS**

### STANDARD CONFIGURATIONS

Product Code	MMC07011011	MMC07012021	MMC07013021	MMC19012021	MMC19011071	MMC190110D1
Optical Specifications						
Pump Operating Wavelength	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 NA	105/125 μm 0.15	105/125 μm 0.22	200/220 μm 0.22	105/125 μm 0.22	105/125 μm 0.15	105/125 μm 0.15
Output Fiber Core/clad diameter NA	125 μm 0.46	20/400 μm 0.06/0.46	20/400 μm 0.06/0.46	20/400 μm 0.06/0.46	20/200 μm 0.11/0.46	25/250 μm 0.11/0.46
Power per Multimode Input Total Power	100 W 700 W			40 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					

 $(1) \ Pricing \ is \ dependant \ on \ fiber \ pigtail \ length.$ 

#### ORDERING INFORMATION

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



**ITF Labs** 

400 Montpellier Blvd Montreal, Quebec H4N 2G7 CANADA Tel: 514.748.4848 Fax: 514.744.2080

1.888.922.1044

www.itflabs.com info@itflabs.com