



MULTIMODE COMPONENTS

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 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

MULTIMODE COMPONENTS

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 μ m 0.15	105/125 μ m 0.22	200/220 μ m 0.22	105/125 μ m 0.22	105/125 μ m 0.15	105/125 μ m 0.15
Output Fiber Core/clad diameter NA	125 μ m 0.46	20/400 μ m 0.06/0.46	20/400 μ m 0.06/0.46	20/400 μ m 0.06/0.46	20/200 μ m 0.11/0.46	25/250 μ m 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