



MULTIMODE COMPONENTS

7 x 1 HIGH POWER Pump Combiners

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**

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SPECIFICATIONS

STANDARD CONFIGURATIONS

Product Code	MMC07011011	MMC07012021	MMC07013021	MMC070110E1	MMC0701C3044
Optical Specifications					
Pump Operating Wavelength	800-1000 nm				
Number of Multimode Inputs	7				
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 0.15	200/220 μm 0.22
Output Fiber Core/clad diameter NA	125 μm 0.46	20/400 μm 0.06/0.46		220/242 μm 0.22	600/660 μm 0.22
Total Power Input Power per Multimode Input	100 W 700 W				
Multimode Power Transfer Efficiency/Insertion Loss	> 90%	> 93%		> 90%	
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				

¹Pricing 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.



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