



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
Optical Specifications			
Pump Operating Wavelength	800-1000 nm	800-1000 nm	800-1000 nm
Number of Multimode Inputs	7	7	7
Number of Signal Ports	0	0	0
Number of DCF Ports	1	1	1
Pump Input Fiber core/clad diameter NA	105 µm/125 µm 0.15	105 µm/125 µm 0.22	200 µm/220 µm 0.22
Output Fiber core/clad diameter NA	125 µm 0.46	20 µm/400 µm 0.06/0.46	20 µm/400 µm 0.06/0.46
Total Power Input Power per Multimode Input	280 W 40 W	700 W 100 W	700 W 100 W
Multimode Power Transfer Efficiency/Insertion Loss	> 93% / < 0.3 dB	> 93% / < 0.3 dB	> 93% / < 0.3 dB
Optical Return Loss - Pumps	45 dB	45 dB	45 dB
Mechanical Specifications			
Length x Width x Height	60 x 12 x 6.5 mm	60 x 12 x 6.5 mm	60 x 12 x 6.5 mm
Fiber Pigtail Length Input/Output	> 750 mm	> 750 mm	> 750 mm

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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