



Multimode Components



Key Features

High Power Transfer Efficiency

Preservation of Modal Content

Wavelength Insensitive

Custom Configurations Available

RoHS Compliant

Applications

KW Class Lasers

1.2 kW Pump and Signal Combiners

ITF Labs' Multimode Pump and Signal Combiners feature exceptional optical characteristics. These devices can be used to combine the power from several multimode laser diodes and couple that power with a signal feed, 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.



BUILT-IN MFA

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

1.2 kW Pump and Signal Combiners

SPECIFICATIONS* STANDARD CONFIGURATIONS

Product Code	MMC0611C3437	MMC0611C3553	PMC0611C3741
Optical Specifications			
Signal Operating Wavelengths	1040-1080 nm		
Pump Operating Wavelengths	800-1000 nm		
Number of Multimode Inputs	6		
Number of Signal Ports	1		
Number of DCF Ports	1		
Pump Input Fiber Core/clad diameter NA	200/220 μm 0.22		
Signal Input Fiber Core/clad diameter NA	20/400 μm 0.06/0.46	10/125 μm 0.08/0.46	PM10/125 μm 0.08
Output Fiber Core/clad diameter NA	20/400 μm 0.06/0.46		PM20/400 μm 0.06/0.46
Power per Multimode Input	200 W		
Total Power	1200 W		
Maximum Pump Insertion Loss	< 0.1 dB		
Maximum Signal Insertion Loss	< 0.5 dB		
Optical Return Loss	45 dB		
Polarization Extinction Ratio	N/A		15 dB
Mechanical Specifications			
Dimensions	60 x 12 x 6.5 mm		
Fiber Pigtail Length Input/Output	1000 mm		

(1) Pricing is dependant on fiber pigtail length

PATENTED

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*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