

Multimode Components

Key Features

High Power Transfer Efficiency

Preservation of Modal Content

Wavelength Insensitive

Custom Configurations Available

RoHS compliant

Applications

Fiber Laser Seed Amplifiers

CATV Amplifiers

Mid Power (2 + 1) x 1 Pump and Signal Combiners (PM and non-PM)

3SPGroup's 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.

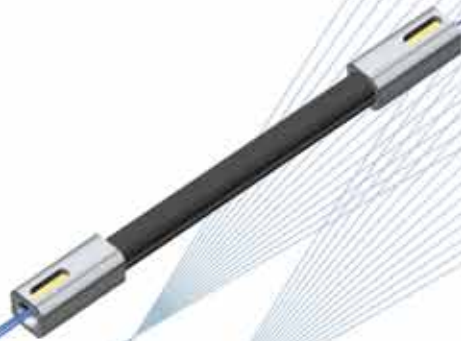
3SPGroup's Multimode Combiners offer efficient power transfer for high power applications like fiber lasers and fiber amplifiers, with a maximum conservation of brightness. The Multimode Combiners can be designed to meet a wide range of power handling configurations, number of input fibers and adaptation to different fiber types.

For more info

Please contact us at:

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888.922.1044

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or via e-mail at sales@3spgroup.com





Mid Power (2 + 1) x 1 Pump and Signal Combiners (PM and non-PM)

SPECIFICATIONS STANDARD CONFIGURATIONS

Product Code	MMC02112EG3	MMC02112A63	PMC02112413
Optical Specifications			
Signal Operating Wavelengths	1530-1570 nm	1530-1570 nm	1040-1080 nm
Pump Operating Wavelengths	800-1000 nm		
Number of Multimode Inputs	2		
Number of Signal Ports	1		
Number of DCF Ports	1		
Pump Input Fiber Core/clad diameter NA	105/125 μm 0.22		
Signal Input Fiber Core/clad diameter NA	SM 1550 DCF 0.14/0.46	8/125 μm 0.14/0.46	PM 15/130 μm 0.08/0.46
Output Fiber Core/clad diameter NA	SM 1550 DCF 0.14/0.46	8/125 μm 0.14/0.46	PM 15/130 μm 0.08/0.46
Power per Multimode Input	25 W		
Total power	50 W		
Maximum Pump Insertion Loss	< 0.5 dB		
Maximum Signal Insertion Loss	< 0.35 dB		
Optical Return Loss	35 dB		
Mechanical Specifications			
Length x Diameter	5 x 5 x 60 mm		
Fiber Pigtail Length Input/Output (1)	A=1000 mm B=2000 mm C=3000 mm		

(1) Pricing is dependant on fiber pigtail length

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Please note: information in this document is typical and must be specifically confirmed in writing by your supplier before it becomes applicable to any order or contract. Information is subject to change without notice.
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ORDERING INFO

Please contact your Sales Manager. 3SPGroup can also develop custom products to meet a wide range of technical requirements.

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