



Multimode Components

KeyFeatures

High Power Transfer Efficiency

Preservation of Modal Content

Wavelength Insensitive

Custom Configurations Available

RoHS compliant

Applications

Fiber Laser Seed Amplifiers

CATV Amplifiers

(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 moreInfo

Please contact us at:

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or via e-mail at **info@3spgroup.com**



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

SPECIFICATIONS* STANDARD CONFIGURATIONS

Product Code	MMC02112EG0	MMC02112CC0	PMC02112340	PMC02112860
Optical Specifications				
Signal Operating Wavelengths	1530-1570 nm	1040-1080 nm	1040-1080 nm	1530-1570 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	10/125 μm 0.08/0.46	PM 5/130 μm 0.14/0.46	PM 9/125 μm 0.12/0.46
Output Fiber Core/clad diameter NA	SM 1550 DCF 0.14/0.46	10/125 μm 0.08/0.46	PM 5/130 μm 0.14/0.46	PM 9/125 μm 0.12/0.46
Power per Multimode Input	7 W			
Total power	14 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	65 x 3.5 mm			
Fiber Pigtail Length Input/Output (1)	A=1000 mm B=2000 mm C=3000 mm			

(1) Pricing is dependant on fiber pigtail length

PATENT PENDING

Revised Jan 2012

*Specifications subject to change without notice.

ORDERING INFORMATION

For additional information, please contact your Sales Manager.
3SPGroup can also develop custom products to meet a wide range
of technical requirements.

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