



Multimode Components



Key Features

Low insertion loss

High power handling

Applications

High power industrial fiber lasers

Fiber Laser Combiner

This component is designed to combine the outputs of several fiber lasers into a single multimode delivery fiber. Other configurations available on request.

For more Info

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Fiber Laser Combiner

Device Characteristics (MMC0701C5609)

Configuration	Port identification	Fiber type
Input ports	Ports 1-7	10/125 μm NA=0.08/0.46
Output port	Port 8	105/125 μm NA=0.22

SPECIFICATIONS* OPTICAL PERFORMANCE

Parameters	Min.	Typ.	Max.	Units
Operating wavelengths	1040		1080	nm
Maximum Insertion Loss (1)		0.1	0.3	dB
Optical return loss - Pumps (1)	45			dB

SPECIFICATIONS* MECHANICAL & ENVIRONMENTAL

Parameters	Value
Power handling - Input core light (2)	100W/port
Power handling - Input cladding light (3)	TBD
Dimensions	60.0mm x 12.0mm x 6.5mm
Pigtail length (4)	> 1000mm on all ports

- (1) Parameters are specified at room temperature
- (2) Heatsinking is required, see application note on website
- (3) Not designed to guide cladding borne light
- (4) For safe handling of DCF fiber, see application note on website

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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.

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