

# N x 1 End Pump Combiner

## High Power Pump Combiners for Direct Pumping Applications

### Features

- High handling power and low insertion loss
- Wavelength Insensitive
- Custom Configuration Available

### Applications

- Fiber Laser Combination
- Fiber Laser [kW]
- Industrial & Research

### Specifications

Product Code		MCP-031XXX MCP-041XXX	MCP-0322XX MCP-0422XX	MCP-071XXX	MCP-191XXX
Configuration		3 x 1 (4 x 1)		7 x 1	19 x 1
Power Operating Wavelength		800 ~ 1000nm (Test 980nm)			
Pump Input Fiber Core/Clad dia. [um] NA		105/125 0.15, 0.22	200/220 0.22	105/125 0.15, 0.22	105/125 0.15, 0.22
		Power Efficiency [%]			
Output Fiber Core/Clad dia. [um] NA	200/220 0.22	> 95	> 92	~ 88	–
	400/440 0.22	> 95	> 95	> 95	> 92
	600/600 0.22	–	> 95	> 95	> 95
Power Handling		30, 50, 100, 150 (W / port)			
Fiber Length		Standard 800~1200mm			
Package Dimensions		C_1 & C_2			

**\* Customizing**

- Pump / Output Fiber (fiber specification)
- Fiber Length (Pricing is dependant on fiber pigtail length)

### Ordering Information

MCP- □ □ □ □ □ □

#### Configuration

03 : 3 x 1  
04 : 4 x 1  
07 : 7 x 1  
19 : 19 x 1

#### Input Fiber

11 : 105/125um 0.15NA  
12 : 105/125um 0.22NA  
22 : 200/220um 0.22NA  
22\* : 220/242um 0.22NA

#### Output Fiber

22 : 200/220um 0.22NA  
22\* : 220/242um 0.22NA  
42 : 400/440um 0.22NA  
62 : 600/660um 0.22NA

#### Order Information

Add: Huscent 221,226 Cheomdangwagi-ro, Buk-gu, Gwangju, Korea  
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# N x 1 End Pump Combiner

## High Power Pump Combiners for Double Clad Fiber Output

### Features

- High handling power and low insertion loss
- Wavelength Insensitive
- Custom Configuration Available

### Applications

- Fiber Laser Combination
- Fiber Laser [kW]
- Industrial & Research

### Specifications

Product Code		MCD-0711XX	MCD-0712XX	MCD-07122XX	MCD-1911XX	MCD-1912XX
Configuration		7x 1			19 x 1	
Power Operating Wavelength		800 ~ 1000nm (Test 980nm)				
Pump Input Fiber Core/Clad dia. [um] NA		105/125 0.15	105/125 0.22	200/220 0.22	105/125 0.15	105/125 0.22
		Power Efficiency [%]				
Output Fiber  Core/Clad dia. [um] NA	10/125 0.08/0.46	> 93	> 92	-	-	-
	20/125 0.08/0.46	> 93	> 92	-	-	-
	20/400 0.07/0.46	> 95	> 95	> 95	> 95	> 95
	25/250 0.07/0.46	> 95	> 95	-	> 95	> 92
Power Handling		10, 30, 50, 100, 150 (W / port)				
Fiber Length		Standard 800~1200mm				
Package		C_1 & C_2				

**\* Customizing**

- Pump / Output Fiber (Fiber specification)
- Fiber Length (Pricing is dependant on fiber pigtail length)

### Ordering Information

MCD- □ □ □ □ □

#### Configuration

- 07 : 7 x 1
- 19 : 19 x 1

#### Input Fiber

- 11 : 105/125um 0.15NA
- 12 : 105/125um 0.22NA
- 22 : 200/220um 0.22NA

#### Output Fiber

- 11 : 10/125um 0.08NA
- 21 : 20/125um 0.08NA
- 24 : 20/400um 0.07NA
- 22 : 25/250um 0.07NA

### Order Information

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