

# 3×1 Multi-Mode Pump Combiner (MPC)

## Description

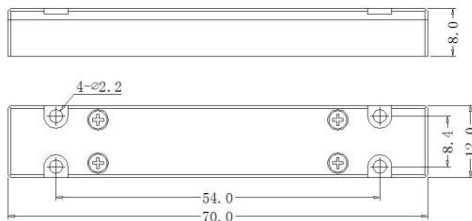
This 3×1 multi-mode fiber combiner is designed for high power fiber laser application. It combines N pump lasers into one multi-mode output fiber. Fiber type can be customized.

## Key Features

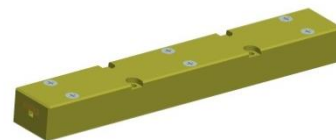
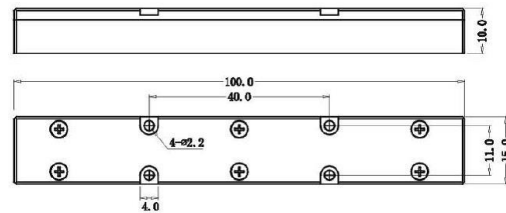
- High Pump Efficiency
- Wavelength Insensitive
- Custom Configurations Available

## Mechanical Dimension

**C4: 70x12x8**



**C7: 100x15x10**



**Unit: mm**

## Specifications

Parameters/Test conditions		Min	Typ.	Max	Unit	Note
1	Pump Operating Wavelength	800		1000	nm	
2	Pump Fiber	Core Diameter		105	μm	Refer to fiber codes.
3		Cladding Diameter		125	μm	
4		Numerical Aperture	0.22		-	
		Configuration (Nx1)		Pump Efficiency (%)		Power Handling (W, each port)
5	Output Fiber	200/220 0.22NA	3x1		>93 (Typ. 95)	25
		220/240 0.22NA	3x1		>93 (Typ. 95)	25
6	Fiber Length	0.8			m	Each port
7	Operating Environment Temperature	-5		+70	°C	
8	Operating Humidity	5		95	%RH	
9	Storage Temperature	-40		+85	°C	
10	Package	C4, C7			-	Handling power is different with PKG

## Ordering Information

MPC-N×1- Pump wavelength/Pump power- Pump fiber -Output fiber-Package-Fiber length

### Note :

N: Pump port number.

Pump/Output fiber: refer to fiber codes.

Package: C4, C7

C4: total power <150W; C7: total power >= 150W