

## N×1 Multi-Mode Pump Combiner (MPC N×1, N=2,3,4,7,19)

### Description

This N×1 (N=2, 3, 4, 7, 19) multi-mode fiber combiner is designed for high power fiber laser applications. It combines the power from N multimode lasers to create a high-power output with consigned fibers. It has a heat sink package and a hole for temperature monitoring.

### Key Features

- High Power Transfer Efficiency
- Wavelength Insensitivity
- Custom Configurations Available

### Configurations and Specifications

Configuration options	Working WL	Pump fiber options	Output fiber options	Pump effi.
		(Core/clad, NA)		
2×1	800-1000nm	50/125 0.2	100/140, 0.29	>90%
3×1		62.5/125 0.2	105/125, 0.22	
4×1		105/125, 0.12	0/125, 0.46	
7×1		105/125, 0.15	200/220, 0.22	
19×1		105/125, 0.22	x/250, DCF (x=25, 30um)	
		200/220, 0.15	x/400, DCF (x=10, 15, 20, 30um)	
		200/220, 0.22		Depends on different configurations

Remark: 1. Detail configuration might be discussed with Lightcomm's engineer.  
2. DCF means double cladding fiber.

### Mechanical Dimension

