

## PM (N+1)×1 Multi-Mode Pump Combiner (PMMPC N+1×1, N=1, 2. N=4 or 6 for special design)

### Description

This PM (N+1)×1 (N=1, 2) multi-mode fiber combiner can be used for high power fiber laser and fiber amplifier applications, which can combine N pump lasers and one PM signal channel into one PM double cladding fiber and create a high power PM pump laser source.

### Key Features

- High Power Transfer Efficiency and Low Signal loss
- High Extinction Ratio and stability
- Custom Configurations Available

### Configuration Options and Specifications

Configuration	Working WL	Pump fiber	Signal fiber	Output fiber	Pump effi. Signal IL
		(Core/clad, NA)			
(1+1)×1 (2+1)×1	Pump: 800-1000nm	105/125, 0.15 105/125, 0.22 200/220, 0.22	PM 980 panda	PM 6/125, DCF	Typical 85%~90% and 0.5~0.7dB  Depends on different configurations
	Signal: 1060nm 1550nm		PM 6/125, DCF PM 1550 panda PM 8/125, DCF PM 10/125, SCF or DCF PM 15/125 SCF or DCF PM 20/125 SCF or DCF PM 25/250 SCF or DCF PM 30/250 SCF or DCF PM 20/400 SCF or DCF	PM 8/125, DCF PM 10/125, DCF PM 15/125, DCF PM 20/125, DCF PM x/250 DCF (x=25,30um) PM x/400, DCF (x=10, 20, etc)	

- Remark: 1. Detail configuration might be discussed with Lightcomm's engineer.  
2. Extinction ratio >18dB.  
3. SCF means single cladding fiber, DCF means double cladding fiber.

### Mechanical Dimension faiba

