

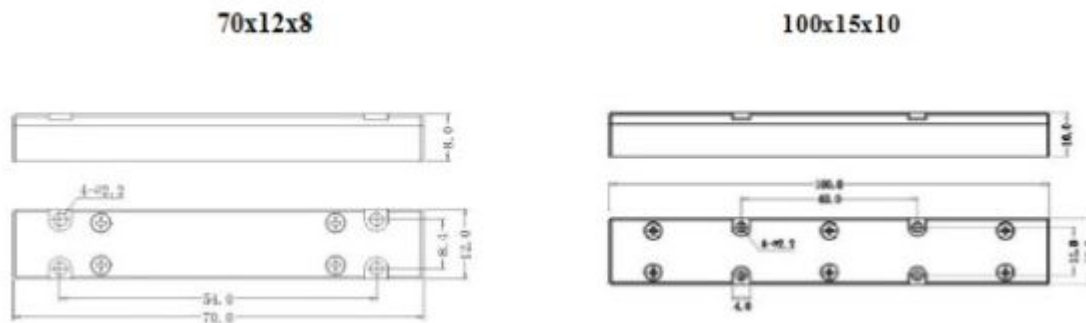
N×1 Multi-Mode Pump Combiner (MPC)

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

Key Features

- High Pump Efficiency
- Wavelength Insensitive
- Custom Configurations Available

Package Information



Specifications

Parameters/Test conditions		Min	Typ.	Max	Unit	Note
Pump Operating Wavelength		800		1000	nm	
Pump Fiber	Core Diameter		105		μm	
	Cladding Diameter		125		μm	Refer to fiber codes
	Numerical Aperture		0.22		-	
		Configuration (Nx1)		Pump Efficiency (%)	Power Handling (W, each port)	
Output Fiber	x/125 DCF (x=6,10,...)	3x1		>93 (Typ. 95)		25
	25/250 DCF	7x1		>93 (Typ. 95)		50
	20/400 DCF	7x1		>95 (Typ. 97)		100
	25/250 DCF	19x1		>88 (Typ. 90)		20
	20/400 DCF	19x1		>93 (Typ. 95)		50
Fiber Length		0.8			m	Each port
Operating Environment Temperature		-5		+70	°C	
Operating Humidity		5		95	%RH	
Storage Temperature		-40		+85	°C	
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