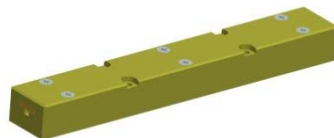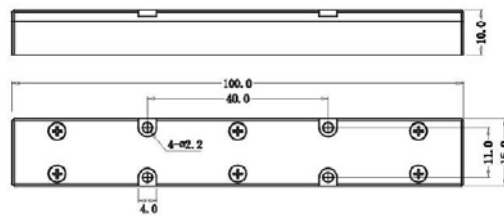# (6+1)×1 Multi-Mode Pump Combiner (MPC)

Description

This (6+1)×1 multi-mode fiber combiner is designed for high power fiber laser application. It combines six pump lasers and one signal channel into one double cladding output fiber. Fiber type can be customized.

Key Features

- High Signal Transfer Efficiency
- High Pump Efficiency
- Wavelength Insensitive
- Custom Configurations Available

Mechanical Dimension

C7: 100x15x10

Unit: mm

Specifications

	Parameters/Test conditions		Min	Typ.	Max	Unit	Note
1	Signal Operating Wavelength		1000	1064	1100	nm	
2	Pump Operating Wavelength		800		1000	nm	
3	Pump Fiber	Core Diameter		220		µm	Refer to fiber codes
4		Cladding Diameter		242		µm	
5		Numerical Aperture		0.22		-	
6	Signal Fiber		20/400 DCF				Refer to fiber codes
7	Output Fiber		20/400 DCF				Refer to fiber codes
8	Pump Efficiency		92	95		%	
9	Signal Insertion Loss			0.5	0.7	dB	
10	Power Handling		150			W	Each port
11	M^2				1.3	-	
12	Optical Isolation		20			dB	
13	Fiber Length		0.8			m	Each port
14	Operating Environment Temperature		-5		+70	^{o}C	
15	Operating Humidity		5		95	%RH	Not recommend in high humidity for long time.
16	Storage Temperature		-40		+85	^{o}C	
17	Package		C7			-	

Ordering Information

MPC-(6+1)×1-F(B)-Pump wavelength/Pump power-Signal wavelength-Pump fiber/Signal fiber-Output fiber-Package-Fiber length

Note :

F: Forward pump; B: Backward pump.

Pump/Signal/Output fiber: refer to fiber codes.

Package: C7