

(2+1)×1 Multi-Mode Pump Combiner (MPC)

Description

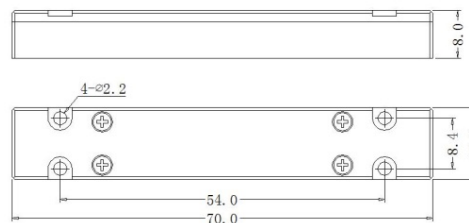
This (2+1)×1 multi-mode fiber combiner is designed for high power 2micron fiber laser application. It combines two pump lasers and one signal channel into one double cladding output fiber. Fiber type can be customized.

Key Features

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

Mechanical Dimension

C4: 70x12x8



Unit: mm

Specifications

Parameters/Test conditions		Min	Typ.	Max	Unit	Note
1	Signal Operating Wavelength	1900		2100	nm	
2	Pump Operating Wavelength	700		900	nm	
3	Pump Fiber	Core Diameter		105	μm	Refer to fiber codes
4		Cladding Diameter		125	μm	
5		Numerical Aperture	0.15, 0.22		-	
6	Signal Fiber	6/125 0.23/0.46NA DCF				Refer to fiber codes
7	Output Fiber	6/125 0.23/0.46NA DCF				Refer to fiber codes
8	Pump Efficiency	90	93		%	
9	Signal Insertion Loss		0.3	0.5	dB	
10	M ²			1.3	-	
11	Optical Isolation	25	30		dB	
12	Fiber Length	0.8			m	Each port
13	Power Handling		25	50	W	Each port
14	Operating Environment Temperature	-5		+70	°C	
15	Operating Humidity	5		95	%RH	Not recommend in high humidity for long time.
16	Storage Temperature	-40		+85	°C	
17	Package	C4			-	

Ordering Information

MPC-(2+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: C4