

PM (2+1)×1 Multi-Mode Pump Combiner (PMMPC)

Description

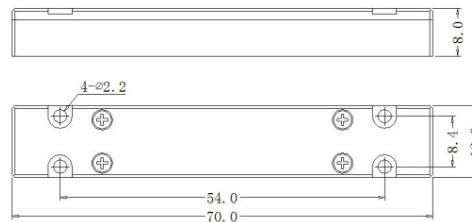
This PM (2+1)×1 multi-mode fiber combiner is designed for high power fiber laser application. It combines two pump lasers and one PM signal channel into one double cladding PM output fiber. Fiber type can be customized.

Key Features

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

Mechanical Dimension

C4: 70x12x8



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		105	200	μm	Refer to fiber codes
4		Cladding Diameter		125	220	μm	
5		Numerical Aperture	0.15, 0.22		-		
6	Signal Fiber	PM 25/250 SCF or PM 25/250 DCF				Refer to fiber codes	
7	Output Fiber	PM 25/250 DCF				Refer to fiber codes	
8	Pump Efficiency	90	93		%		
9	Signal Insertion Loss		0.5	0.7	dB		
10	PER	18			dB		
11	M ²			1.3	-		
12	Optical Isolation	25	30		dB		
13	Fiber Length	0.8			m	Each port	
14	Power Handling		25	50	W	Each port	
15	Operating Environment Temperature	-5		+70	°C		
16	Operating Humidity	5		95	%RH	Not recommend in high humidity for long time.	
17	Storage Temperature	-40		+85	°C		
18	Package	C4			-		

Ordering Information

PMMP-C-(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

C4: 50W/port