

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

## Description

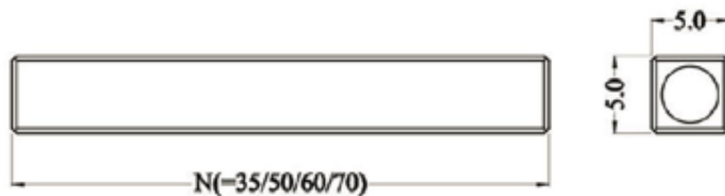
This PM (2+1)×1 multi-mode fiber combiner is designed for high power fiber laser application. It combines two pump lasers and one PM signal channel into one double cladding PM output fiber. Fiber type can be customized.

## Key Features

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

## Mechanical Dimension

C1: 50×5×5 in 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		μm	Fiber code “110”
4		Cladding Diameter		125		μm	
5		Numerical Aperture	0.22			-	
6	Signal Fiber		PM 980-SM98-PR-U25A-H				Fiber code “635”
7	Output Fiber		PM 6/125 DCF 0.14/0.46NA				Fiber code “603”
8	Pump Efficiency		> 90	93		%	
9	Signal Insertion Loss			0.5	0.7	dB	
10	Power Handling			5	10	W	Each port
11	PER		18			dB	
12	M <sup>2</sup>				1.3	-	
13	Optical Isolation		25	30		dB	
14	Fiber Length			0.8		m	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		C1				50×5×5mm

## Ordering Information

VPN: PMMPC-(2+1)x1-F-916/25-1064-110/635-603-C1-0.8m