

# PM Pump and Signal Combiners



## Product Features

- High Power Transfer Efficiency
- All Fiber Construction
- Wavelength Insensitive
- Custom Configurations Available

## Product Applications

- High Power All-fiber Lasers
- High Power fiber Amplifiers
- Medical
- Defense

Specifications			
Parameter		Unit	
Port Configuration			(2+1)x1      (4+1)x1
Pump Wavelength range			800~1000
Signal Wavelength range		nm	1530 to 1580 or 1030 to 1080
Pump Input Fiber Type	Core / Cladding Diameter	um	105 / 125
	Numerical Aperture		0.22
Signal Input Fiber Type 1	Core / Cladding Diameter	um	PM 9/ 125
	Numerical Aperture		0.14/0.46
Signal Input Fiber Type 2	Core / Cladding Diameter	um	PM 10 / 125
	Numerical Aperture		0.08/0.46
Output Fiber Type 1	Core / Cladding Diameter	um	PM 9/ 125
	Numerical Aperture		0.14/0.46
Output Fiber Type 2	Core / Cladding Diameter	um	PM 10 / 125
	Numerical Aperture		0.08/0.46
Signal Insertion loss	Max	dB	0.35
Pump Insertion loss	Max	dB	0.5
Pump Transfer efficiency	Min	%	93
PER	Min	dB	20
Return loss	Min	dB	40
Operating power handling	Max	W	7W/Port
Operating Temperature		°C	0 to +85
Storage Temperature		°C	-50 to +85
Package Type		mm	S6: ø3x54 For bare fiber      S11: ø4x60 For bare fiber

## Ordering Information

M	M	P	S	C	P						
			Signal Wavelength	Port Configuration	Input Signal Fiber Type	Output Fiber Type	Fiber Length	Connector			
			4=1550nm 8=1064nm	21=(2+1)x1 41=(4+1) x1	1 2	1 2	0=0.5m 1=0.75m 2=1.0m	0=None			

Note: 1. Central Wavelength can be customized for different applications.  
2. All specifications are subject to change without notice.