

## PM (N+1) ×1 PM Fiber Combiner

### ☆Description

PM(N+1)×1 Polarization maintaining fiber combiner features high pump efficiency, low insert loss, high extinction ratio, stable and reliable. This combiner can be integrated into medium and high power fiber laser, fiber amplifier, fiber sense system and R&D test equipment.



### ☆Specification

Port type	PM (1+1) ×1 ,PM (2+1) ×1,			PM (6+1) ×1			PM (18+1) ×1
Pump wavelength	800~1000nm						
Signal wavelength	1030~1080nm or 1450~1600nm						
Signal fiber(input)	X/125	X/125	X/125 or 20/400	X/125 or X/250 or 20/400			X/125
Pump fiber(input)	105/125 0.15NA/0.22NA		X/125 0.15NA/0.22NA	105/125 0.15NA/0.22NA		X/125 0.15NA/0.22NA	X/125 0.15NA/0.22NA
			200/220 0.22NA			200/220 0.22NA	200/220 0.22NA
Output fiber	Y/125	Y/125	20/400	Y/125	Y/250	20/400	20/400
Pump efficiency	>90%	>93%	>95%	>90%	>93%	>95%	>95%
Signal insert loss	<0.7dB	<0.7dB	<0.7dB	<0.7dB			<0.7dB
Total power	200W	300W	500W	300W	600W	900W	2500W
Return loss	>45dB						
Extinction Ratio	>18dB						
Package size	Φ4×60mm, 70×12×8mm, 100×15×10mm						
Operating temperature	0℃~+75℃						
Storage temperature	-40℃~+85℃						

Note: X=6,8,10,20,25,30 etc.

Y=6,8,10,20,25,30 etc.

### ☆Ordering Information

Part Number	Note	Options
XXX-XXX	Part type	XHP-CMB
XXXX	Port type	<b>PM1</b> = (1+1) ×1, <b>PM2</b> = (2+1) ×1 <b>PM6</b> = (6+1) ×1, <b>PM18</b> = (18+1) ×1
XXX/XXXX	Operating wavelength	Pump wavelength: <b>P1</b> = 915nm, <b>P2</b> = 975nm Signal wavelength: <b>S1</b> = 1064nm, <b>S2</b> = 1550nm, <b>S3</b> = 2000nm
X	Pump mode	<b>F</b> = Forward pump <b>B</b> = Backward pump
XXX	Pump fiber	<b>PF1</b> = 105/125 NA=0.22 <b>PF2</b> = 105/125 NA=0.15 <b>PF3</b> = 200/220 NA=0.22

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**Ordering information**

XXX	Signal fiber(input)	<b>SF1</b> = DCF6/125 NA=0.14/0.46 <b>SF2</b> = DCF8/125 NA=0.14/0.46 <b>SF3</b> = DCF10/125 NA=0.08/0.46 <b>SF4</b> = DCF20/125 NA=0.08/0.46 <b>SF5</b> = DCF20/250 NA=0.08/0.46 <b>SF6</b> = DCF30/250 NA=0.06/0.46 <b>SF7</b> = DCF25/250 NA=0.06/0.46
XXX	Output fiber	<b>OF1</b> = DCF6/125 NA=0.14/0.40 <b>OF2</b> = DCF8/125 NA=0.14/0.46 <b>OF3</b> = DCF10/125 NA=0.08/0.46 <b>OF4</b> = DCF20/125 NA=0.08/0.46 <b>OF5</b> = DCF20/250 NA=0.08/0.46 <b>OF6</b> = DCF30/250 NA=0.06/0.46 <b>OF7</b> = DCF25/250 NA=0.06/0.46 <b>OF8</b> = 20/400 NA=0.06/0.46
XXX	Fiber length(single side)	<b>L08</b> = 0.8m <b>L10</b> = 1.0m
XXX	Package size	<b>PS1</b> = Aluminum box(70×12×8mm) <b>PS2</b> = Aluminum box(100×15×10mm) <b>PS3</b> = Steel tube(Φ4×60mm)

**Example:** XHP-CMB-PM2-P1S1-F-PF1-SF1-OF1-L10-PS2