

Pump/Combiner

2000nm High Power Pump and Signal Combiners (PM or Non-PM)

These pump and signal combiners can be used for high power fiber lasers and fiber amplifiers specially designed for use at the 2000nm wavelength. They can be used to combine several pump lasers and couple that power with a seed signal.

Features

- High Power
- Low Excess Loss
- High Directivity
- Stable and Reliable

Applications

- Laser Positioning
- High Power Fiber Lasers



➔ Specifications

Parameter	Specification	
	(1+1)x1 or (2+1)x1	(6+1)x1
Port Configuration	(1+1)x1 or (2+1)x1	(6+1)x1
Pump Wavelength	800 nm ~ 1000 nm	
Signal Wavelength	1900 nm ~ 2100 nm	
Signal Input Fiber (Note 3)	x/125 or x/250	x/125 or x/250
Pump Fiber	105/125 0.15NA/0.22NA or 200/220 0.22NA	
Output Fiber (Note 3)	y/125 or y/250	y/250
Pump Efficiency (Note 4)	>90%	>93%
Signal Insertion Loss	<0.5 dB	<0.7 dB
Total Power Handling	200W	600W
Return Loss	>45 dB	
Pigtail	Standard 1m or custom	
Operating Temperature	0~75°C	
Storage Temperature	-40~85°C	

Note 1: Values are referenced without connectors.

Note 2: Other package dimensions and optical performances available by request.

Note 3: x, y specifies fiber core size.

Note 4: Fiber and size dependent.

➔ Ordering Information

P	C								
Port Configuration	Wavelength	Pump Fiber	Signal Fiber	Output Fiber	Package Size(mm)	Special Code			
1: (1+1)x1	C: 2000nm	18: MM-S105/125-15A	29: DCF-UN-10/125DC	41: LMA-GDF-20/130-M NA:0.08/0.46	1: D4.0xL60 SST				
2: (2+1)x1		19: MM-S105/125-22A	30: 10/125DC NA:0.08/0.46	47: Passive-25/250DC NA:0.07/0.46	3: 75x12x8				
6: (6+1)x1		20: MM-S200/220-22A	72: DCF-UN-8/105/125-14	49: LMA-GDF-20/400-M NA:0.06/0.46	8: 105x15x8				
				72: DCF-UN-8/105/125-14					

Note: These are our most popular configurations. Contact Lightel Sales for custom port counts or alternative fibers.