LIGHTEL
True Color Components

Pump/Combiner

N×1 High Power Pump Combiners

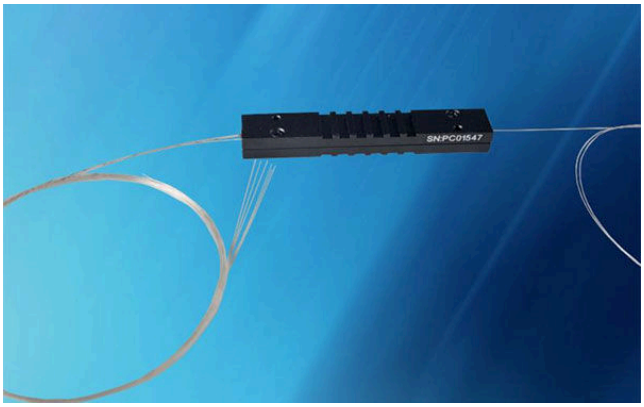
Lightel's Multimode Pump Combiners can be used to combine several pump lasers. Our patented bundling technology significantly increases the combiner's reliability. Manufactured using our proprietary methods, Lightel's Nx1 combiners are available up to N=37 and other custom configurations.

Features

- High Coupling Efficiency
- Stable and Reliable
- Custom Configurations Available

Applications

- High Power Fiber Lasers
- Fiber Amplifiers



Specifications

Parameter	Specification				
Port Configuration	3x1	4x1	7x1	19x1	37x1
Pump Wavelength	800 nm ~ 1000 nm				
Pump Input Fiber	105/125 0.15NA/0.22NA or 200/220 0.22NA				105/125 0.15NA/0.22NA
Output Fiber (Note 3)	y/125 or 200/220		200/220 or y/250 or 20/400		y/400
Pump Efficiency (Note 4)	>95%		>90%	>90%	>93%
Total Power Handling	300W		350W	1800W	1800W
Pigtail	Standard 1m or custom				
Operating Temperature	0~75˚C				
Storage Temperature	-40~85˚C				

Note1: Values are referenced without connectors.
Note2: Other package dimensions and optical performances available by request.
Note3: y specifies fiber core size.
Note4: Fiber size and type dependent.

Ordering Information

P C – ___ – ___ – ___ – ___ – ___

Port Configuration	Pump Fiber	Output Fiber	Package Size(mm)	Special Code
3: 3x1	18: MM-S105/125-15A	20: MM-S200/220-22A	1: D4.0xL60 SST	
4: 4x1	19: MM-S105/125-22A	47: Passive-25/250DC NA:0.07/0.46	3: 75x12x8	
7: 7x1	20: MM-S200/220-22A	49: LMA-GDF-20/400-M NA:0.06/0.46	8: 105x15x8	
9: 19x1				
A: 37x1				

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

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