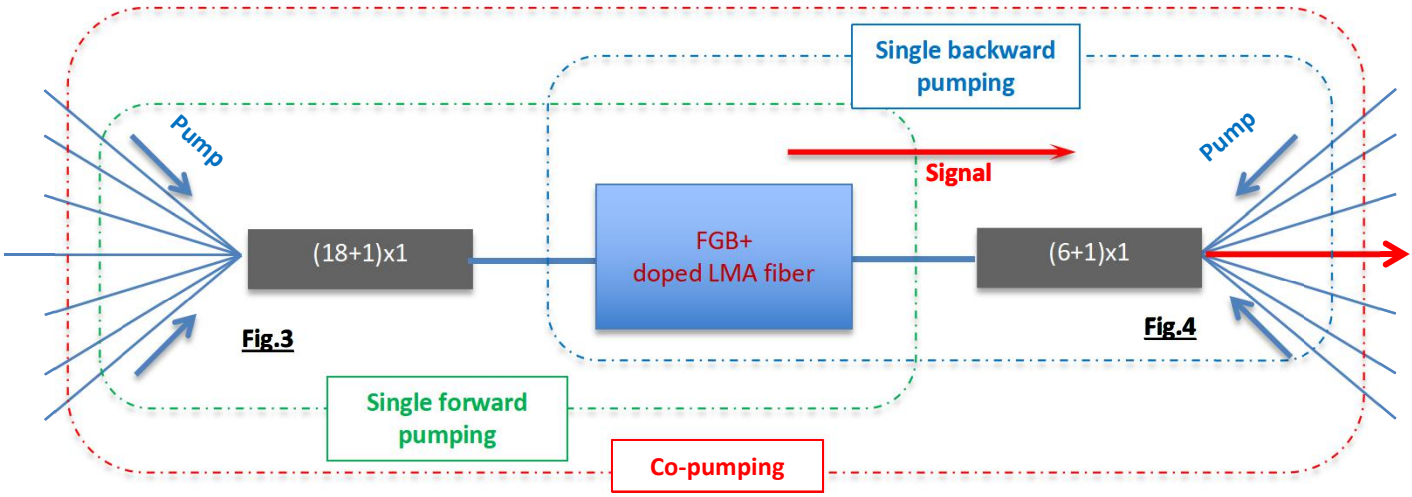
Multimode Pump+Signal Combiner MPSC (18+1)×1

There are 3 types of pumping for the industrial fiber laser: single forward pump (fig.3), single backward pump (fig.4) and co-pumping (fig.3+fig.4), as following diagram shows.
The forward (18+1)x1 combiner combing 18 of pump power with the input signal power into LMA DCF, and transfer into the singal output fiber, being used directly or co-work with the backward combiner for higher signal output.

The residual power handling request on those 3 types of combiner ARE different, please contact sales for more assistance.



Features:

- Customized configuration
- High pump and signal efficiency
- High reliability

Applications:

- Fiber laser
- High power fiber amplifier

Add: 4F, #9 Bldg, Mobi Tech Zone, #6 Shuoshi Rd., Chang'an Dist. Xi'an Shaanxi, P.R.China
Tel: +86-29-8114 2234 e-mail: sales@lasfiberio.com http://www.lasfiberio.com/

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Specifications						
Structure	Pump fiber	Signal fiber	Output fiber	Pump efficiency	Signal IL	Power per pump leg
(18+1)×1	105/125 0.22	x/125DC	25/250DC	96%-98%	0.7-2dB	70-200W
(18+1)×1	105/125 0.22	x/125DC	30/250DC			
(18+1)×1	106.5/125 0.22	x/125DC	x/250DC			
(18+1)×1	105/125 0.22	x/125DC	x/300DC			
(18+1)×1	106.5/125 0.22	x/125DC	x/300DC			
(18+1)×1	106.5/125 0.22	x/125DC	x/400DC			
(18+1)×1	135/155 0.22	x/125DC	20/400DC			
(18+1)×1	135/155 0.22	20/130DC	20/400DC			

Remark:

X means different fiber core size, can be 6, 8, 10, 20, 25, 30 etc., other configuration is on demand.

Pump efficiency depends on the brightness of pump LD, higher brightness brings higher efficiency.

Power/pump leg, corresponding to customer design, different power level needs different package design.

Signal IL depends on the beam quality of amplified signal laser, better beam quality, lower IL.

Ordering Information:

Please describe your pump combiner struture, like: Single-Pump,

Forward (18+1)*1, 105/125+20/130DC=>20/400 DC, 100W/leg,97%, 2db IL, red pilot.

and drop us mail to sales@lasfiberio.com for further help.

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