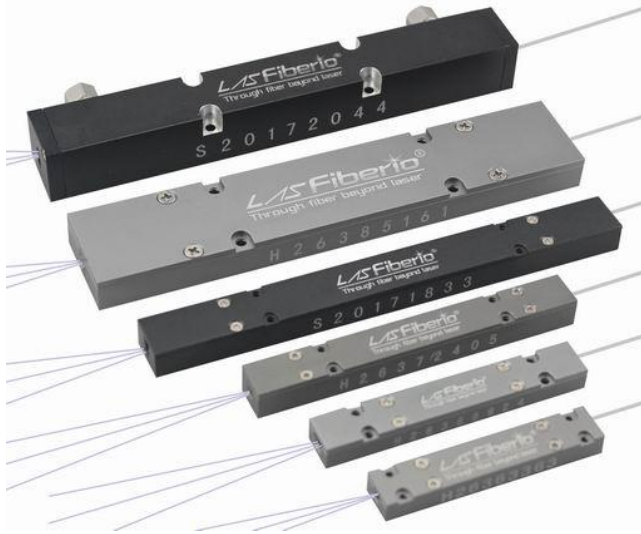


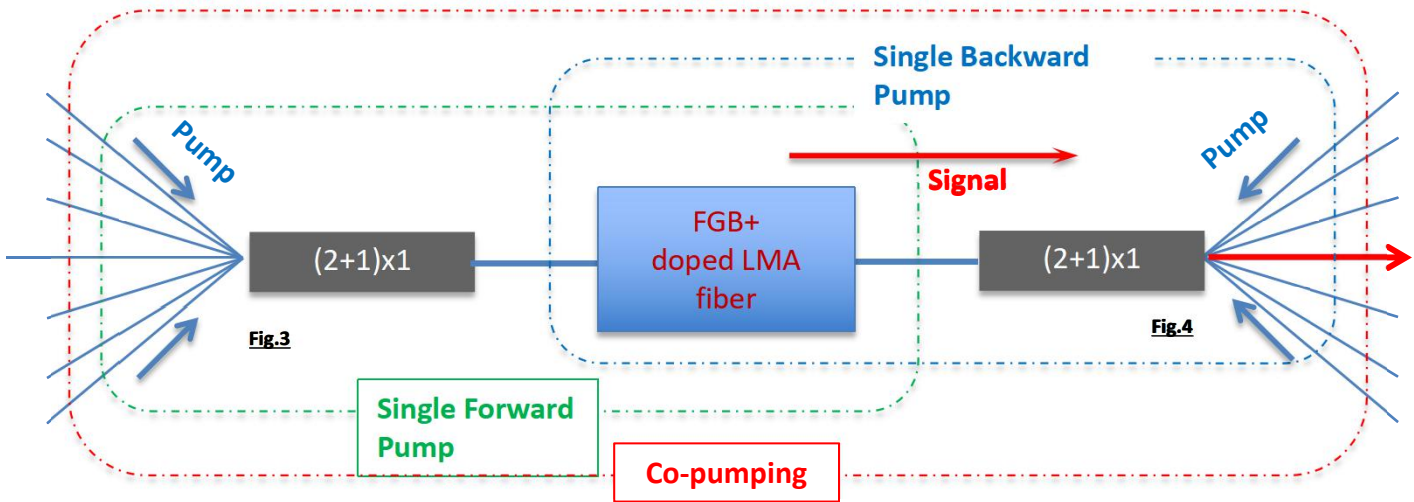
# MPSC (2+1) × 1 Multimode Pump+Signal Combiner



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 (2+1)x1 combiner combining 2 of pump power with the input signal power into LMA DCF, and transfer into the signal 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 Power Handling.
- Excellent Stability and Reliability

## Applications:

- Fiber Laser
- High Power Fiber Amplifier

# MPSC (2+1) × 1

## Multimode Pump+Signal Combiner

Specifications						
Configuration	Pump fiber	Signal fiber	Ouput fiber	Min. Pump Efficiency	Max. Signal IL	Max. Power per pump
(2+1)×1	105/125 0.22	6/125DC	6/125DC	90%	0.3dB	50W
(2+1)×1	105/125 0.22	6/125DC	10/125DC	90%	0.7dB	50W
(2+1)×1	105/125 0.22	6/125DC	20/125DC	90%	0.7dB	50W
(2+1)×1	105/125 0.22	8/125DC	8/125DC	90%	0.3dB	50W
(2+1)×1	105/125 0.22	10/125DC	10/125DC	90%	0.3dB	50W
(2+1)×1	105/125 0.22	10/125DC	20/125DC	90%	0.7dB	50W
(2+1)×1	105/125 0.22	12/125DC	12/125DC	90%	0.3dB	50W
(2+1)×1	105/125 0.22	20/125DC	20/125DC	90%	0.3dB	50W
(2+1)×1	105/125 0.22	25/250DC	25/250DC	93%	0.5dB	100W
(2+1)×1	200/220 0.22	25/250DC	25/250DC	90%	0.5dB	100W
(2+1)×1	200/220 0.22	30/250DC	30/250DC	90%	0.5dB	100W
(2+1) × 1	200/220 0.22	20/400DC	20/400DC	97%	0.3dB	300W
(2+1) × 1	220/242 0.22	20/400DC	20/400DC	97%	0.3dB	300W

### Remark:

- \* The above listed just some popular configurations, other type Combiner can be customized.
- \* All products are with LasFiberio logo, for special request, please contact our sales .

### Ordering information

Please describe your pump combiner struture, like: Co-Pumping

Forward (6+1)x1, 200/220+20/250DC=> 20/400DC, 300w/leg, 2db, 97% eff,backward residue power 300w.

Backward (2+1)x1, 20/400D=>200/220+ 50/400DC, 300W/leg,97%, 0.2db IL, signal power 1500w, backward residue power 300W.

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