LAS Fiberio®
Through fiber beyond laser

There are 3 types of pumping for the industrial fiber laser: single forward pump (fig.3), single backward pump (fig.4) and double pump (fig.3+fig.4), as following diagram shows.

The forward (6+1)x1 combiner combing 6 of pumping 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 residue power handling request on those 3 types of combiner ARE different, plesase contact sales for more assistance.
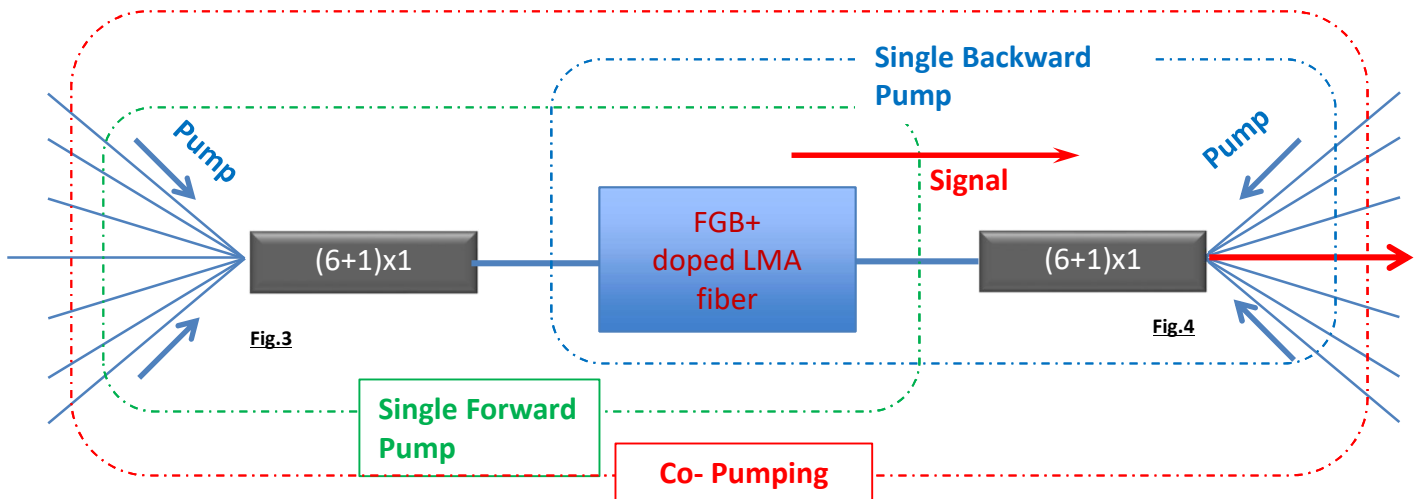
Features:

- Customized Configuration.
- High Pump and Signal Efficiency
- High Power Handling.
- Excellent Stability and Reliability

Applications:

- Fiber Laser
- High Power Fiber Amplifier
- Integrate with QBH as a combo

Multimode Pump+Signal Combiner Forward (6+1)×1

Specifications

Pump fiber	Signal fiber	Output fiber	Pump efficiency	Signal IL	Power/pump leg	Signal power
105/125 0.15 105/125 0.22 106.5/125 0.22	x/125 SC or DC x=6, 8, 10, 15, 20 etc.	x/125 DC	93%	红光型：可定制 MOPA型：0.7dB or 定制	70W	指示型：/ 种子型：50W
		x/250 DC X=12, 14, 25, 30 etc.	95%		70W~100W	指示型：/ 种子型：50W
135/155 0.22	x/125 SC or DC x/155 SC or DC	x/250 DC X=12, 14, 25, 30 etc.	95%		100-200W	指示型：/ 种子型：50W
200/220 0.22 220/242 0.22	x/125 x/250 X=10, 20, 25 etc.	20/400 DC 25/400 DC Etc.	97%	红光指示型：2dB MOPA型：0.7dB or 定制	300~800W	200~1KW 或 客户定制
Core Dia. >220um 0.22	On demand	X/Y DC X=25, 30 etc. Y > 400um	97%	MOPA型：0.3dB	300~800W	

Remark:

There are more than 200 types of (6+1)×1 type Combiner, it can be customized.

The parameters listed above are just for reference, the detail spec depends on customer's application.

For HP products customized package needed, please contactd sales for package info.

Ordering Information:

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

Forward (6+1)*1, 135/155+20/130DC=>14/250 DC, 200W/leg,97%, 2db IL, red pilot, backward residual power 300W.

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