

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

1. Description

It combines 18 pumps and a signal power to single LMA double clad fiber, then fulfill the pump and signal transmit together in the output fiber. According to the pump and signal transmit direction difference, there are forward pump and backward pump types.

2. Features

- ⊙ Customer Designed Configuration
- ⊙ High Pump and Signal Efficiency
- ⊙ High Power Handling

3. Applications

- ⊙ Fiber Laser
- ⊙ High Power Fiber Amplifier
- ⊙ Instrument



4. Specifications

Configuration	Pump fiber	Signal fiber	Ouput fiber	Min. Pump Efficiency	Max. Signal IL	Max. Power Handling	Package
(18+1)×1	105/125 0.15	x/125SC x=6,8,10etc.	y/200DC y=10,20etc.	95%	2.0dB, red pilot beam for signal	100W	P25, P255, other special package depends on detail configuration and requirement
(18+1)×1		x/125DC x=6,8,10etc.		95%	0.8dB, seed laser for signal		
(18+1)×1	105/125 0.22	x/125SC x=6,8,10etc.	y/250DC y=10, 12, 14, 20, 25, 30 etc.	95%	2.0dB, red pilot beam for signal	100W	
(18+1)×1		x/125DC x=6,8,10etc.		95%	0.8dB, seed laser for signal		
(18+1)×1	105/125 0.22	x/125SC x=6,8,10etc.	y/400DC y=10, 20, 25, 30etc.	96%	2.0dB, red pilot beam for signal	100W	
(18+1)×1		x/125DC x=6,8,10etc.		96%	0.8dB, seed laser for signal		
(18+1)×1	135/155 0.22	x/155DC x=10, 20etc.	y/400DC y=10, 20, 25, 30etc.	96%	2.0dB, red pilot beam for signal	100W	

备注：

* LasFiberio has total >200 (6+1)×1 type Combiner, better performance and other configuration can all be customized.

* All Combiners default with LasFiberio logo, bare fiber, 0.8m length, please contact sales for special request.

5. Ordering Information

MPSC — A — B — C / D — E — F — G

A	B	C	D	E	F	G
Pump Number 18=(18+1)×1	Pump Direction F=正向 B=反向	Pump fiber code Details refer to fiber code list.	Signal fiber code Details refer to fiber code list.	Output fiber code Details refer to fiber code list.	Package code Details refer to package code list	Fiber length 0.8m default 1.0m 2.0m etc

PN Example: MPSC-18-F-M11/S6-LD420-P25-1m