(6+1)×1 Multi-Mode Pump Combiner

The (6+1)×1 multi-mode fiber combiner is designed for high power fiber laser . It combines six pump channels and one signal channel into one double cladding output fiber. Fiber type can be customized.

Characteristics

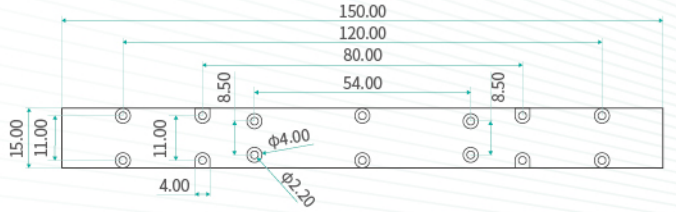
- Low insertion loss
- High pump transfer efficiency
- High stability

Applications

- Fiber laser
- Optical instrument
- Fiber amplifier

Specifications

Product Type	MPC3-P13-S699-10-C5-F	MPC3-P16-S699-10-C5-F	MPC3-P13-S58D-10-C5-B	MPC3-P16-S58D-10-C5-B	MPC3-P26-S57F-18-C5B
Pump Operating Wavelength (nm)	800 - 1000	800 - 1000	800 - 1000	800 - 1000	800 ~ 1000
Input Pump Port					
Core/Cladding Diameter (μm)	200/220	220/242	200/220	220/242	220/242
Numerical Aperture	0.22	0.22	0.22	0.22	0.22
Input Signal Port					
Fiber Type	GDF-DC20/400-0.065	GDF-DC20/400-0.065	GDF-DC25/400-0.065	GDF-DC25/400-0.065	YOFC GDF-DC 20/400-0.065
Output Port					
Fiber Type	GDF-DC20/400-0.065	GDF-DC20/400-0.065	GDF-DC 50/400-0.11	GDF-DC 50/400-0.11	YOFC GDF-DC 25/250-0.065
Optical Properties					
Pump Efficiency (%)	> 97%	> 97%	> 97%	> 97%	> 97
Insertion Loss (dB)	< 1dB	< 1dB	≤ 0.2dB	≤ 0.2dB	≤ 0.2
Max. Input Signal Power (W)	-	-	3000	3000	3000
Max. Pump Power Per Port (W)	500	500	500	500	500
Environmental Properties					
Operating Temperature (°C)	-5 to +70	-5 to +70	-5 to +70	-5 to +70	-5 to +70
Operating Relative Humidity (%)	5% ~ 85%	5% - 85%	5% - 85%	5% - 85%	5 - 70
Storage Temperature (°C)	-40 ~ +85	-40 to +85	-40 to +85	-40 to +85	-40to +85
Appearance					
Dimensions (mm)	10×15×150	10×15×150	10×15×150	10×15×150	10×15×150
Pigtail Length (m)	1.0	1.0	1.0	1.0	1.0

*Fiber type can be customized

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