

NX1 Multimode Pump Combiner

N × 1 Multimode Pump Combiners can be used for high power fiber laser and fiber amplifier. These devices can be used to combine the power from several multimode laser diodes with high coupling efficiency. The MM combiner could be built with custom fibers.



Features

- High Pump Efficiency
- Low Insertion Loss
- High Power Handling
- Custom Configurations Available

Applications

- Fiber Amplifier
- Fiber Laser

Performance Specification

Parameter	Value	Unit
Pump Operating Wavelength	800 - 1000	nm
Configuration	N×1	
Pump Fiber (core/clad, NA)	105/125, 0.15	
	105/125, 0.22	
	200/220, 0.22	
	105/125, 0.22	
Output Fiber (core/clad, NA)	125, 0.46	
	200/220, 0.22	
	400/440, 0.22	
Total Input Power	Depend on different configurations	
Max. Pump Insertion Loss	0.5	dB
Min. Pump Efficiency	90	%
Min. Return Loss	40	dB
Operating Temperature	0 to +75	°C
Storage Temperature	-40 to +85	°C
Package Dimension	Φ4×65, or 75×12×8 for high power	mm

Note

* The values are for devices without connectors at room temperature.
 * Specifications subject to change without notice.

Ordering Information

MMPC-AA-BBB/BBB-CCC/CCC-DD

AA	BBB/BBB	CCC/CCC	DD
Configuration	Input Pump Fiber	Output Fiber	Fiber Length
21 - 2X1	105/125 - 105/125um	105/125 - 105/125um	05 - 0.5m
31 - 3X1	200/220 - 200/220um	200/220 - 200/220um	08 - 0.8m
71 - 7X1	SSS/SSS - Specify	400/440 - 400/440um	10 - 1.0m
SS - Specify		000/250 - 250um	15 - 1.5m
		SSS/SSS - Specify	SS - Specify