



N × 1 High Power Laser Combiner (HPLC Series)

Rev 11

Description

The High Power N × 1 Laser Combiner is designed for combining the power from N units of kW class fiber laser with high efficiency. The laser combiner is available for different fiber types.

Key Features

- Low Brightness Loss
- High Power Handling

Applications

- Fiber Lasers

Specifications

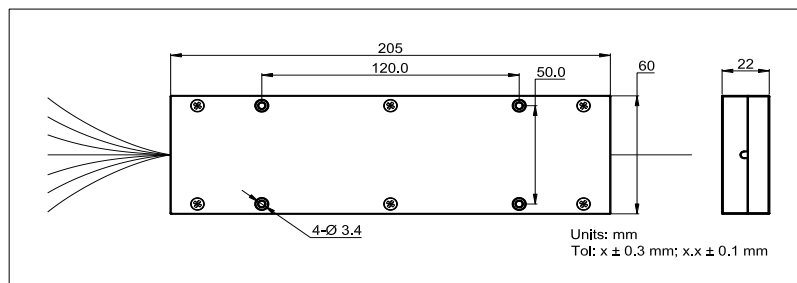
Parameter	Unit	Value
Product Type ¹	-	3 × 1 or 4 × 1 or 7 × 1
Laser Wavelength Range	nm	1060 - 1080
Fiber Type for Input	-	20/130, 0.08/0.46 NA
Fiber Type for Output	-	100/120/360, 0.22 NA or 50/70/360, 0.22 NA
Input Power Handling per Port	W	3000
Max. Backward Power Handling ²	W	1000
Min. Power Transfer Efficiency ²	%	97
Max. Beam Parameter Product (BPP)	mm mrad	4
Package Dimensions	mm	205 × 60 × 22
Operating Temperature (Active Cooling Required)	°C	0 to + 65
Storage Temperature	°C	- 40 to + 85

¹If you have special product type requirements, please contact sales.

²The power in the core of the fiber.

³Do not operate without proper high power termination (QBH cable, for example).

Package Dimensions



Ordering Information

HPLC-N x 1-①①①①-②②/②②②-③③③/③③③-④

①①①①: Laser Wavelength	②②/②②②: Fiber Type for Input	③③③/③③③: Fiber Type for Output	④: Fiber Length
1080 - 1080 nm	20/130, 0.08/0.46 NA	050/360, 0.22 NA	1 - 1 m
SSSS - Specify	SS/SSS - Specify	100/360, 0.22 NA	2 - 2 m
		SSS/SSS - Specify	S - Specify