



N ×1 High Power Laser Combiner (GK-HPLC Series)

● 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. Available for different fiber types.

● Features

- High Power Transfer Efficiency
- Custom Configurations Available
- Proprietary Fiber Tapering Technique

● Applications

Multi-Kilowatt Fiber Lasers

● Specifications

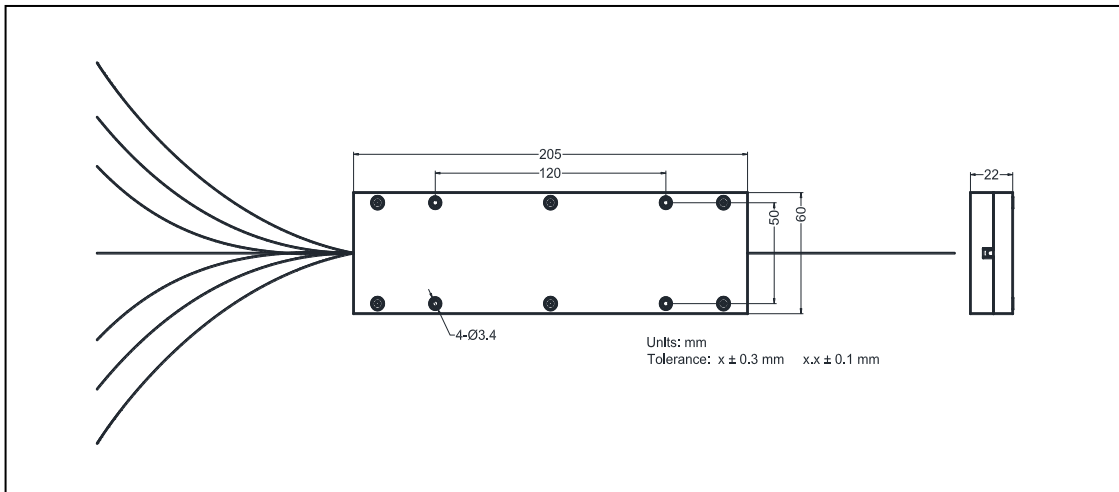
| Parameter | Unit | Value |
|---|---------|--|
| Product Type ¹ | - | 3 ×1 or 4 ×1 or 7 ×1 |
| Laser Wavelength Range | nm | 1060 - 1080 |
| Fiber Type For Input | - | 20/130, NA = 0.08/0.46 |
| Fiber Type For Output | - | 100/120/360, NA = 0.22 or 50/70/360, NA = 0.22 |
| Input Power Handling per Port | 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 us.

²The power in the core of the fiber.

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

● Package Dimensions



● Ordering Information

GK-HPLC-Nx1-①-②-③-④

①: Laser Wavelength

1080 - 1080 nm

SSSS - Specify

②: Fiber Type For Input

20 - 20/130, NA = 0.08/0.46

SS - Specify

③: Fiber Type For Output

50 - 50/70/360, NA = 0.22

100 - 100/120/360, NA = 0.22

SSS - Specify

④: Fiber Length

1 - 1 m

SSSS - Specify 2 - 2 m

S - Specify