



Adjustsble Mode (6+1)x1 Laser Combiner (HPLC Series)

Spec Review No.: SR23643 Date:Mar. 08 , 2022

Description

The adjustable mode (6+1)x1 Laser Combiner is designed for combining 7 units of kW class fiber lasers with high efficiency. The output mode can adjust to any combination of a small-spot high intensity bright core to a larger ring-shaped.

Key Features

- KW Class Backward Power Handling
- High Power Transfer Efficiency
- Adjustable Output Mode

Applications

- Multi-kilowatt Fiber Lasers

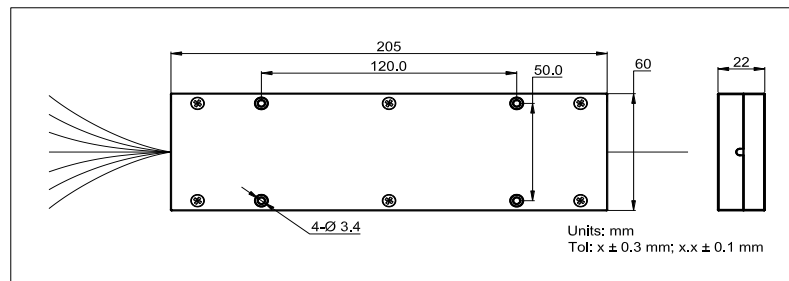
Specifications

| Parameter | Unit | Value |
|--|------|------------------------------------|
| Product Type | - | (6+1)x1 |
| Laser Wavelength Range | nm | 1080 |
| Fiber Type for Input (into Central Fiber Core) | - | Nufern LMA-GDF-14/250-HP-M |
| Fiber Type for Input (into Outer Ring Fiber) | - | LMA-GDF-20/130-M |
| Fiber Type for Output | - | 14/40/100/120/360, Customer supply |
| Max. Central Fiber Core Output Power ¹ | W | 2000 |
| Max. Outer Ring Fiber Output Power | W | 6000 |
| Min. Power Transfer Efficiency in Outer Ring Fiber ² | % | 95 |
| Min. Power Transfer Efficiency in Central FiberCore ² | % | 89 |
| Package Dimensions | mm | 205 (L) × 60 (W) × 22 (H) |
| Storage Temperature | °C | - 20 to + 70 |

¹Do NOT operate without proper high power termination (QBH cable, for example).

²The power in the core of the fiber.

Package Dimensions



Ordering Information

HPLC-6+1x1-①-②-③-④-⑤⑤-⑥

①: Input Fiber Type (into Central Fiber Core)

1 - Nufern LMA-GDF-14/250-HP-M

S - Specify

②: Input Fiber Type (into Outer Ring Fiber)

1 - LMA-GDF-20/130-M

S - Specify

③: Output Fiber Type

1 - 14/40/100/120/360, Customer supply

S - Specify

④: Max. Central Core Output Power

2 - 2 kW

S - S kW

⑤⑤: Max. Outer Fiber Output Power

06 - 06 kW

SS - SS kW

⑥: Fiber Length

1 - 1 m

2 - 2 m

S - Specify