



## 2.5 kW (6+1)×1 Backward Pump Combiner (HPPC Series)

### Description

The High Power (6+1)×1 Backward Pump Combiner enables highly efficient combining of the powers from up to 6 multimode pump diodes into a double cladding output fiber while transfer the kW class signal laser in the reverse direction. Available for different fiber types.

### Key Features

- Low Signal Insertion Loss
- High Coupling Efficiency
- Proprietary Fiber Tapering Technique

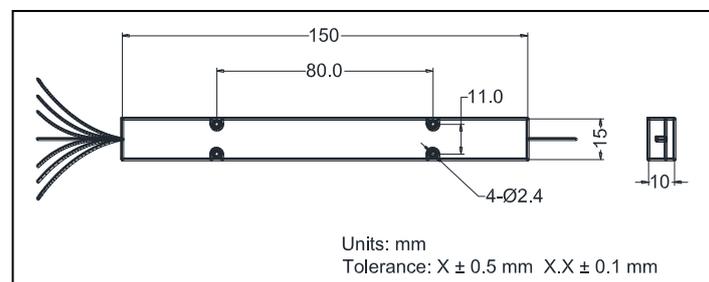
### Applications

- High Power Backward Pump
- kW Class Fiber Laser

### Specifications

| Parameter                    | Unit | Value                                    |
|------------------------------|------|--|
| Product Type                 | -    | Backward Pump (6+1)×1                    |
| Pump Wavelength              | nm   | 915                                      |
| Signal Wavelength            | nm   | 1080                                     |
| Fiber Type for Pump Input    | -    | MM-S200/220-22A-HP or MM-S220/242-22A-HP |
| Fiber Type for Signal Input  | -    | LMA-GDF-20/400-M                         |
| Fiber Type for Signal Output | -    | LMA-GDF-20/400-M                         |
| Max. Signal Insertion Loss   | dB   | 0.3                                      |
| Typ. Pump Efficiency         | %    | 98.0                                     |
| Min. Pump Efficiency         | %    | 97.0                                     |
| Max. Input Pump Power        | W    | 300 × 6                                  |
| Max. Input Signal Power      | W    | 2500.0                                   |
| Package Dimensions           | mm   | 150 (L) × 15 (W) × 10 (H)                |
| Operating Temperature        | °C   | 0 to + 65                                |
| Storage Temperature          | °C   | - 40 to + 85                             |

### Package Dimensions



### Ordering Information

HPPC-(6+1)×1-B-①①①①-②②②-③③③-④④-⑤⑤-⑥

①①①①: Signal Wavelength

1080 - 1080 nm

SSSS - Specify

②②②: Pump Wavelength

915 - 915 nm

SSS - Specify

③③③: Fiber Type for Pump Input

220 - MM-S220/242-22A-HP

200 - MM-S200/220-22A-HP

④④: Fiber Type for Signal Input

20 - LMA-GDF-20/400-M

SS - Specify

⑤⑤: Fiber Type for Signal Output

20 - LMA-GDF-20/400-M

SS - Specify

⑥: Fiber Length

Q - 0.75 m

S - Specify