



## High Power (18+1)×1 Backward Pump & Signal Combiner (HPPC Series)

Spec Review No.:SR21306

### Description

The High Power (18+1)×1 Pump & Signal Combiner enables highly efficient combining of the powers from up to 18 multimode pump diodes and a signal laser from the signal fiber into a double cladding output fiber. Available for different fiber types.

### Key Features

- High Power Handling
- High Coupling Efficiency
- Proprietary Fiber Tapering Technique

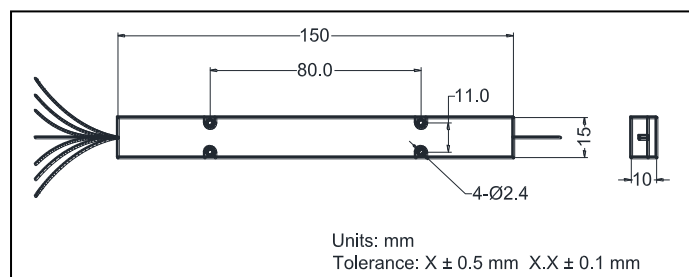
### Applications

- High Power Fiber Laser

### Specifications

Parameter	Unit	Value
Product Type	-	Backward (18+1)×1
Pump Wavelength Range	nm	800 - 1000
Signal Wavelength Range	nm	1000 - 1100
Fiber Type for Input (Pump Channel)	-	Nufern MM-S135/155-22FA
Fiber Type for Input (Signal Channel)	-	Nufern LMA-GDF-20/400-HP-M
Fiber Type for Output	-	Nufern LMA-GDF-20/400-HP-M
Max. Input Pump Power	W	18 × 300
Max. Input Signal Power	W	5000
Max. Signal Channel Insertion Loss	dB	0.2
Min. Pump Efficiency	%	97
Package Dimensions	mm	150 (L) × 15 (W) × 10 (H)
Operating Temperature	°C	- 5 to + 65
Storage Temperature	°C	- 40 to + 85

### Package Dimensions



### Ordering Information

**HPPC-(18+1)×1-B-①①①①-②②②②-③③③③-④④-⑤⑤-⑥**

①①①①: Signal Wavelength

1080 - 1080 nm

SSSS - Specify

②②②②: Pump Wavelength

915 - 915 nm

976 - 976 nm

SSS - Specify

③③③③: Fiber Type for Pump Input

135 - Nufern MM-S135/155-22FA

SSS - Specify

④④: Fiber Type for Signal Input

20 - LMA-GDF-20/400-HP-M

25 - LMA-GDF-25/400-M

30 - LMA-GDF-30/400

SS - Specify

⑤⑤: Fiber Type for Output

20 - LMA-GDF-20/400-HP-M

25 - LMA-GDF-25/400-M

30 - LMA-GDF-30/400

SS - Specify

⑥: Fiber Length

Q - 0.75 m

S - Specify