

High Power (6+1)×1 Backward Pump & Signal Combiner (HPBPC Series)

REV11

Description

The High Power (6 + 1) × 1 Backward Pump & Signal Combiner enables highly efficient combining of the powers from up to 6 multimode pump diodes into a double clad fiber. Meanwhile, it can transmit several kW signal power with extremely low loss insertion from the opposite direction of the pump light. Suitable for different fiber types.

Key Features

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

Applications

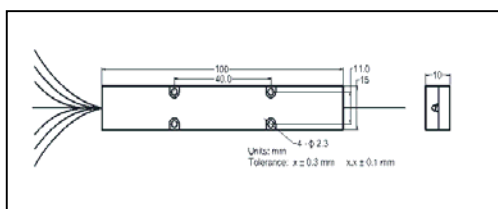
- High Power Fiber Laser

Specifications

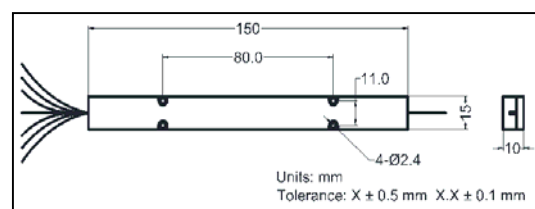
Parameter	Unit	Value
Product Type		Backward pump (6 + 1) × 1
Pump Wavelength	nm	900 - 1000
Signal Wavelength	nm	1060 - 1080
Fiber Type For Input (Pump Channel)		200/220, NA=0.22/0.46 or 220/242, NA=0.22/0.46
Fiber Type For Input (Signal Channel)		20/400, NA=0.065/0.46
Fiber Type For Output (Signal Channel)		20/400, NA=0.065/0.46 or 25/400, NA=0.065/0.46
Max. Signal Channel Insertion Loss	dB	0.2
Typ. Pump Efficiency	%	98
Min. Pump Efficiency	%	97
Input Pump Power	W	500 × 6
Input Signal Power	W	3000
Max. Backward Pump Power Handling	W	300
Operating Temperature	°C	0 to +50
Storage Temperature	°C	-40 to +85

* P05 packaging is enough for conventional products, please contact sales for special products.

Package Dimensions



P05



P10

Ordering Information

HPBPC-(6+1)×1-B-①①①①-②②②-③③③③-④④④④④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦

①①①①: Signal Wavelength

1060 - 1060 nm

1080 - 1080 nm

SSSS - Specify

②②②: Pump Wavelength

915 - 915 nm

976 - 976 nm

SSS - Specify

③③③③: Fiber Type For Pump Input

200D-200/220DCF

220D-220/242DCF

SSSS - Specify

④④④④④: Fiber Type For Signal Input

20/400, NA=0.065/0.46

SS/SSS - Specify

⑤⑤⑤⑤⑤: Fiber Type For Signal Output

20/400, NA=0.065/0.46

25/400, NA=0.065/0.46

SS/SSS - Specify

⑥⑥⑥: Package Type

P05 - 100(L) × 15 (W) × 10 (H)

P10 - 150(L) × 15 (W) × 10 (H)

SSS - Specify

⑦: Fiber Length

Q - 0.75 m

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