



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

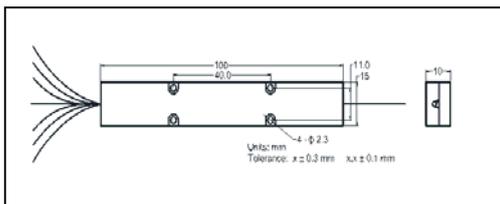
- High Power Fiber Laser

Specifications

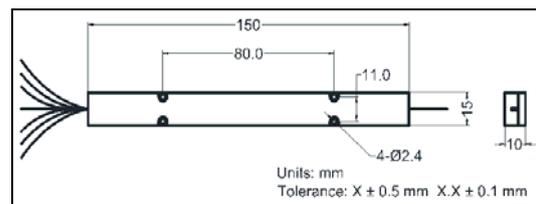
Parameter	Unit	Value
Product Type		Backward pump (6 + 1) × 1
Pump Wavelength	nm	900 - 1000
Signal Wavelength	nm	1060 - 1080
Fiber Type For Input (Pump Channel)		200/220, NA=0.22/0.46 or 220/242, NA=0.22/0.46
Fiber Type For Input (Signal Channel)		20/400, NA=0.065/0.46
Fiber Type For Output (Signal Channel)		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-①①①①-②②②②-③③③③-④④④④-⑤⑤⑤⑤-⑥⑥⑥⑥-⑦

①①①①: Signal Wavelength	②②②②: Pump Wavelength	③③③③: Fiber Type For Pump Input
1060 - 1060 nm	915 - 915 nm	200D-200/220DCF
1080 - 1080 nm	976 - 976 nm	220D-220/242DCF
SSSS - Specify	SSS - Specify	SSSS - Specify
④④④④: Fiber Type For Signal Input	⑤⑤⑤⑤: Fiber Type For Signal Output	⑥⑥⑥⑥: Package Type
20/400, NA=0.065/0.46	20/400, NA=0.065/0.46	P05 - 100(L) × 15 (W) × 10 (H)
SS/SSS - Specify	25/400, NA=0.065/0.46	P10 - 150(L) × 15 (W) × 10 (H)
	SS/SSS - Specify	SSS - Specify

⑦: Fiber Length
 Q - 0.75 m
 S - Specify

