



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

● 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.

● Features

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

● Applications

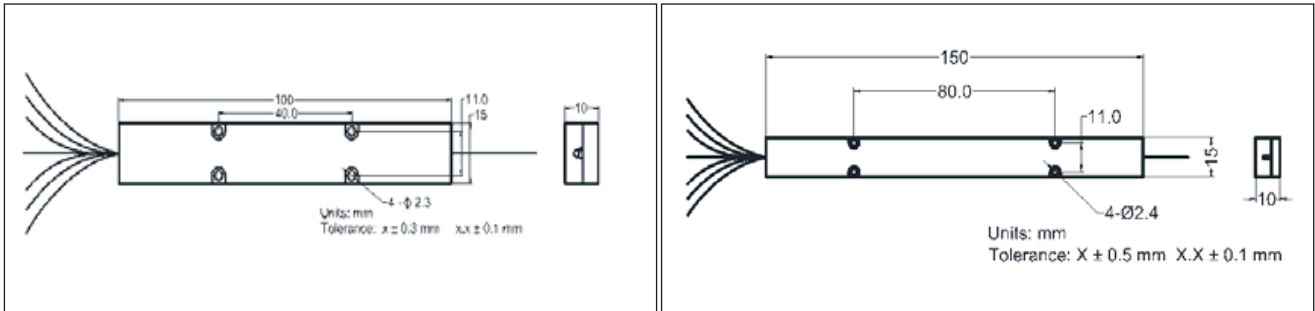
High Power Fiber Laser

● 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	℃	0 to +50
Storage Temperature	℃	- 40 to + 85

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

● Package Dimensions



P05

P10

● Ordering Information

GK-HPBPC-(6+1)×1-B-①-②-③-④-⑤-⑥-⑦

①: Signal Wavelength

1060 - 1060 nm

1080 - 1080 nm

SSSS - Specify

②: Pump Wavelength

915 - 915 nm

976 - 976 nm

SS - Specify

③: Fiber Type For Pump Input

200D-200/220DCF

220D-220/242DCF

SSSS - Specify

④: Fiber Type For Signal Input

20/400, NA=0.065/0.46

SS/SSS - Specify

⑤: Fiber Type For Signal Output

20/400, NA=0.065/0.46

25/400, NA=0.065/0.46

SS/SSS - Specify

⑥: 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

S - Specify