High Power Backward Pump & Signal Combiner

HPPC Series：(6+1)×1 High Power Backward Pump & Signal Combiner.

Features:

- High Power Handling
- Preservation of Mode Content
- Proprietary Fiber Tapering Technique

Applications:

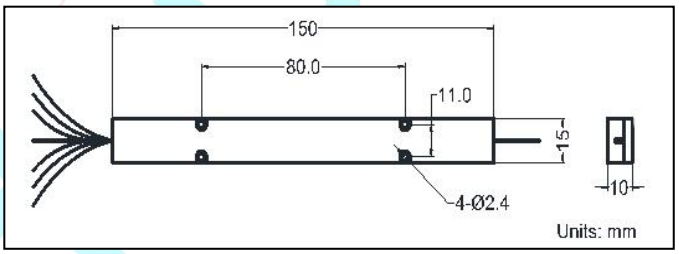
- High Power Fiber Laser

Performance Specifications

Parameter	Unit	Value
Product Type		Backward Pump (6+1) x 1
Pump Wavelength Range	nm	800 - 1000
Signal Wavelength Range	nm	1060 - 1080
Fiber Type for Input(Pump Channel)	μm	200/220 or 220/242, NA=0.22/0.46
Fiber Type for Input(Signal Channel)	μm	20/400 or 25/400, NA=0.065/0.46
Fiber Type for Output	μm	20/400 or 25/400, NA=0.065/0.46
Max. Signal Channel Insertion Loss	dB	<0.2
Min. Pump Efficiency	%	98
Max. Input Pump Power	W	500 x 6
Max. Input Signal Power	W	3000
Max. Backward Pump Power Handling	W	300
Package Dimensions	mm	150(L) x 15(W) x 10(H)
Operating Temperature	℃	-5 to +65
Storage Temperature	℃	-40 to +85

*Mode numbers summation of all input fibers should be less than that of output fiber.

Outline Diagram



Ordering Information

HPPC-(6+1)x1-①①①①-②②②-③③③-④④-⑤⑤-⑥

①①①①: Signal Wavelengh
1060 - 1060 nm
1080 - 1080 nm

②②②: Pump Wavelength
915 - 915 nm
976 - 976 nm
S - Specify

③③③: Fiber Type for Pump Input
200 - 200/220, NA=0.22/0.46
220 - 220/242, NA=0.22/0.46
S - Specify

④: Fiber Type for Signal Input
20 - 20/400, NA=0.065/0.46
25 - 25/400, NA=0.065/0.46
S - Specify

⑤: Fiber Type for Signal Output
20 - 20/400, NA=0.065/0.46
25 - 25/400, NA=0.065/0.46
S - Specify

⑥: Fiber Length
Q - 0.75 m
1 - 1.0 m
S - Specify

Hirundo Optics Inc
Factory:2nd Floor, Building 6, #16 Xinfa Road, Southern Cable Industrial Park, Rongli Ronggui Street, Shunde District, Foshan city, Guangdong 528305 China
Tel: 0757-26619220 Email: info@hirundo-link.com Website：https://www.hirundo-link.com/