



2.5 kW (6+1)×1 Backward Pump Combiner (HPPC Series)

Description

The High Power (6+1)×1 Backward Pump Combiner enables highly efficient combining of the powers from up to 6 multimode pump diodes into a double cladding output fiber while transfer the kW class signal laser in the reverse direction. Available for different fiber types.

Key Features

- Low Signal Insertion Loss
- High Coupling Efficiency
- Proprietary Fiber Tapering Technique

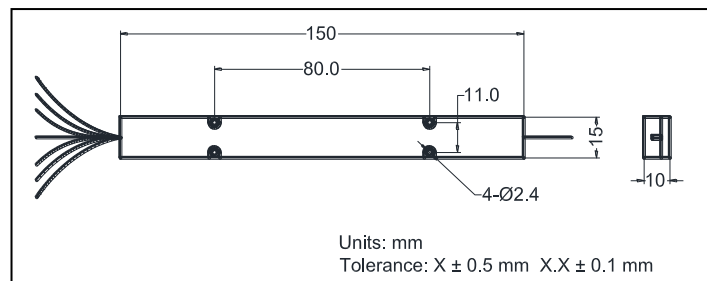
Applications

- High Power Backward Pump
- kW Class Fiber Laser

Specifications

Parameter	Unit	Value
Product Type	-	Backward Pump (6+1)×1
Pump Wavelength	nm	915
Signal Wavelength	nm	1080
Fiber Type for Pump Input	-	MM-S200/220-22A-HP or MM-S220/242-22A-HP
Fiber Type for Signal Input	-	LMA-GDF-20/400-M
Fiber Type for Signal Output	-	LMA-GDF-20/400-M
Max. Signal Insertion Loss	dB	0.3
Typ. Pump Efficiency	%	98.0
Min. Pump Efficiency	%	97.0
Max. Input Pump Power	W	300 × 6
Max. Input Signal Power	W	2500.0
Package Dimensions	mm	150 (L) × 15 (W) × 10 (H)
Operating Temperature	°C	0 to + 65
Storage Temperature	°C	- 40 to + 85

Package Dimensions



Ordering Information

HPPC-(6+1)×1-B-①①①①-②②②-③③③-④④-⑤⑤-⑥

①①①①: Signal Wavelength
1080 - 1080 nm
SSSS - Specify

②②②: Pump Wavelength
915 - 915 nm
SSS - Specify

③③③: Fiber Type for Pump Input
220 - MM-S220/242-22A-HP
200 - MM-S200/220-22A-HP

④④: Fiber Type for Signal Input
20 - LMA-GDF-20/400-M
SS - Specify

⑤⑤: Fiber Type for Signal Output
20 - LMA-GDF-20/400-M
SS - Specify

⑥: Fiber Length
Q - 0.75 m
S - Specify