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

Rev 11

Description

The High Power (6+1)×1 Pump & Signal Combiner enables highly efficient combining of the powers from up to 6 multimode pump diodes and a signal beam from the signal fiber into a double cladding output fiber. Available for different fiber types.

Key Features

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

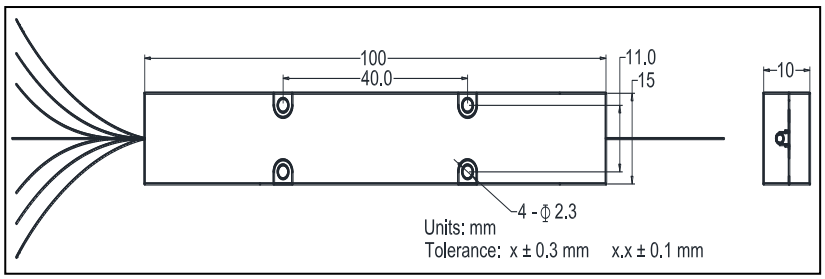
Applications

- High Power Fiber Laser

Specifications

Parameter	Unit	Value
Product Type	-	(6+1) × 1
Pump Wavelength	nm	900 - 1000
Signal Wavelength	nm	650 (Indicating Laser)
Fiber Type For Pump Input	-	200/220, NA = 0.22/0.46 or 220/242, NA = 0.22/0.46
Fiber Type For Signal Input	-	10/125, NA = 0.075/0.46 or 20/130, NA = 0.08/0.46
Fiber Type For Signal Output	-	20/400, NA = 0.065/0.46 or 25/400, NA = 0.065/0.46
Max. Signal Channel Insertion Loss	dB	1
Pump Efficiency	%	98
Pump Efficiency	%	97
Input Pump Power	W	500 × 6
Max. Backward Pump Power Handling	W	300
Package Dimensions	mm	100 (L) × 15 (W) × 10 (H)
Operating Temperature	℃	0 to + 50
Storage Temperature	℃	- 40 to + 85

Package Dimensions



Ordering Information

HPPC-(6+1)×1-①①①-②②②-③③③-④④-⑤⑤-⑥

①①①: Signal Wavelength
650 - 650 nm
SSS - Specify

②②②: Pump Wavelength
915 - 915 nm
975 - 975 nm
SSS - Specify

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

④④: Fiber Type for Signal Input
10 - 10/125, NA = 0.075/0.46
20 - 20/130, NA = 0.08/0.46
SS - Specify

⑤⑤/⑤⑤⑤: Fiber Type for Signal Output
20 - 20/400, NA = 0.065/0.46
25 - 25/400, NA = 0.065/0.46
SS/SSS - Specify

⑥: Fiber Length
Q - 0.75 m
S - Specify