



793/2000nm High Power (6+1)×1 Pump & Signal Combiner (HPPC Series)

Spec Review No.: Date: Sept. 17 2020

Description

The 793/2000nm high power pump & signal combiner enables highly efficient combining of the powers from up to 6 multimode pump diodes and a signal laser into a double cladding output fiber. The device can handle more than 1kW combined power. Available for different fiber types.

Key Features

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

Applications

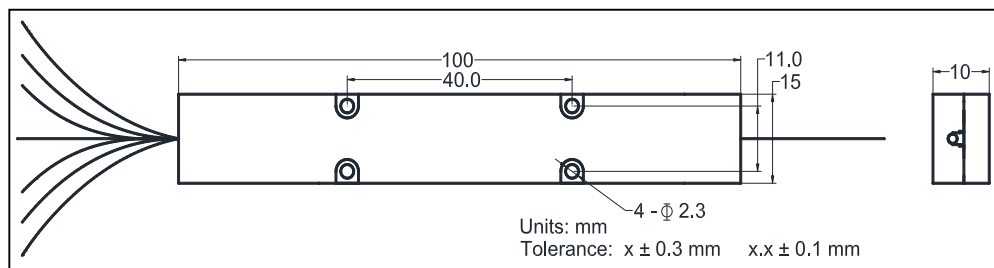
- 2000nm High Power Fiber Laser
- 2000nm High Power Fiber Amplifier

Specifications

Parameter	Unit	Value
Product Type		(6+1) × 1
Pump Wavelength Range	nm	793
Signal Wavelength Range	nm	2000
Fiber Type for Input (Pump Channel)		Nufern FUD-3986, MM-S200/220-22FA
Fiber Type for Input (Signal Channel)		Nufern LMA-GDF-25/400-09M
Fiber Type for Output		Nufern LMA-GDF-25/400-09M
Max. Input Pump Power	W	6 × 140
Max. Input Signal Power	W	10
Signal Channel Insertion Loss	dB	< 1
Typ. Pump Efficiency	%	98
Min. Pump Efficiency	%	96
Package Dimensions	mm	100 (L) × 15 (W) × 10 (H)
Operating Temperature	°C	0 to 50
Storage Temperature	°C	-40 to +85

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

Package Dimensions



Ordering Information

HPPC-(6+1)×1-①①①①-②②②-③③-④④-⑤⑤-⑥

①①①①: Signal Wavelength
2000 - 2000 nm
SSSS - Specify

②②②: Pump Wavelength
793 - 793 nm
SSS - Specify

③③: Fiber Type for Pump Input
22 - MM-S200/220-22FA
SS - Specify

④④: Fiber Type for Signal Input
25 - LMA-GDF-25/400-09M
SS - Specify

⑤⑤: Fiber Type for Output
25 - LMA-GDF-25/400-09M
SS - Specify

⑥: Fiber Length
Q - 0.75 m
S - Specify



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