

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

● Description

The 793/2000 nm 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

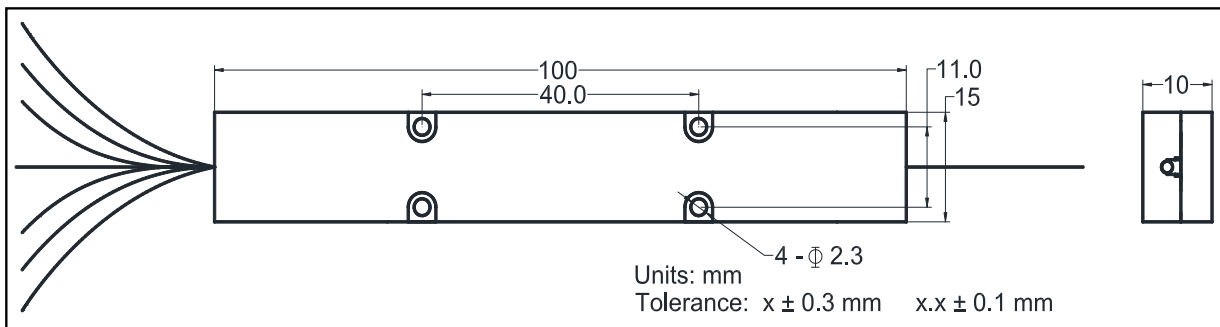
2000 nm High Power Fiber Laser

2000 nm 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

● Package Dimensions



● Ordering Information

GK-HPPC-(6+1)×1-①-②-③-④-⑤-⑥

①: Signal Wavelength

2000 - 2000 nm

SSSS - Specify

②: Pump Wavelength

793 - 793 nm

SSS - Specify

③: Fiber Type for Pump Input

22 - MM-S200/220-22FA

SSS - Specify

④: Fiber Type for Signal Input

25 - LMA-GDF-25/400-09M

SS - Specify

⑤: Fiber Type for Output

25 - LMA-GDF-25/400-09M

SS - Specify

⑥: Fiber Length

Q - 0.75 m

S - Specify