



2000 W (6+1)×1 Multimode Pump & Signal Combiner (MMPC Series)

The 2000 W 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 maximum 2000W combined power. Available for different fiber types.

Features

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

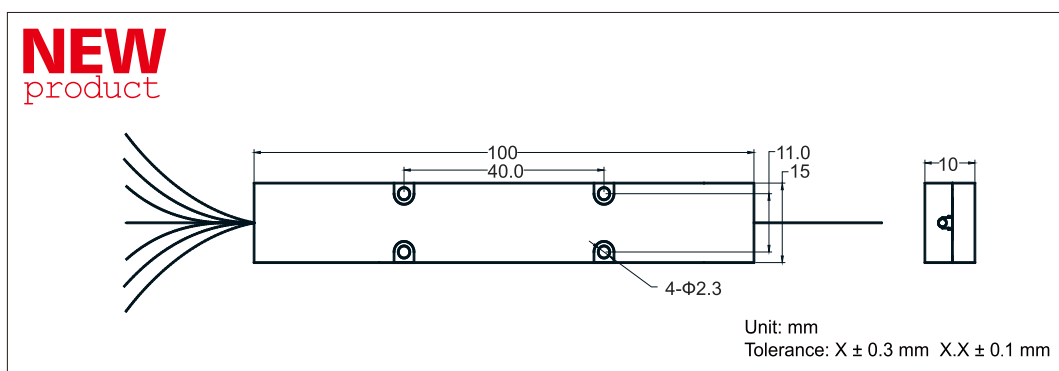
Applications

- kW Class Fiber Laser
- kW Class Fiber Amplifier

Specifications

Parameter	Unit	Value
Product Type		(6+1) × 1
Pump Wavelength Range	nm	915 - 980
Signal Wavelength Range	nm	1030 - 1080
Fiber Type for Input (Pump Channel)		Nufern 220/242 (NA 0.22)
Fiber Type for Input (Signal Channel)		Nufern LMA-GDF-20/400-M, NA 0.06/0.46
Fiber Type for Output		Nufern LMA-GDF-20/400-M, NA 0.06/0.46
Max. Combined Power	W	2000
Signal Channel Insertion Loss	dB	< 0.60
Typ. Pump Efficiency	%	98
Min. Pump Efficiency	%	96
Package Dimensions	mm	100 (L) × 15 (W) × 10 (H)
Operating Temperature (Active Cooling Required)	°C	-5 to +65
Storage Temperature	°C	-40 to +85

Package Dimensions



Package Dimensions

HPPC-(6+1)×1-11-22-3

①①: Fiber Type for Signal Input
 20 - Nufern LMA-GDF-20/400-M
 SS - Specify

②②: Fiber Type for Pump Input
 22 - 220/242 (NA 0.22)
 20 - 200/220 (NA 0.22)
 SS - Specify

③: Fiber Length
 Q - 0.75 m
 S - Specify