



6 kW or Higher 7x1 Laser Combiner Module (HPLCM Series)

SR17717

Description

The 6 kW or Higher 7x1 Laser Combiner Module is designed for combining N units of kW class fiber lasers with high efficiency. Available for different fiber types.

Key Features

- kW Class Backward Power Handling
- High Power Transfer Efficiency
- Proprietary Fiber Tapering Technique

Applications

- Multi-kilowatt Fiber Lasers

Specifications

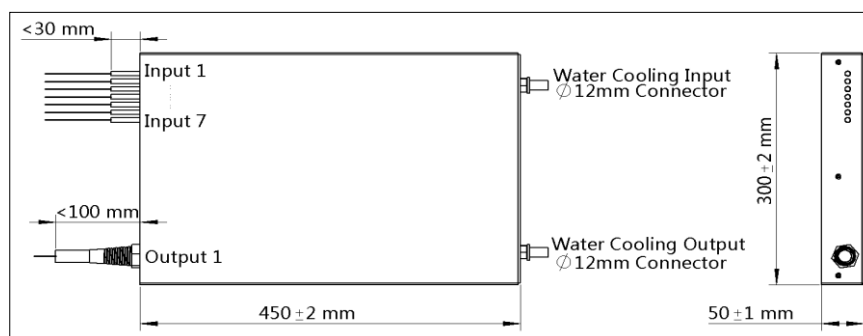
Parameter	Unit	Value
Product Type		Nx1
Laser Wavelength Range	nm	1080
Fiber Type for Input		LMA-GDF-20/130-M or LMA-GDF-20/400-M
Fiber Type for Output		Nufern BD-S100/120/360-STN, NA0.22
Max. Combined Power*	W	6000 or above
Max. Input Power Handling per Port	W	2000
Max. Backward Power Handling**	W	1000
Typ. Power Transfer Efficiency**	%	99
Min. Power Transfer Efficiency**	%	97
Beam Parameter Product (BPP)	mm-mrad	2.5 - 4
Package Dimensions***	mm	450 (L) x 300 (W) x 50 (H)
Cooling Water Temperature	°C	10 - 25
Storage Temperature	°C	-20 to + 70

* Do NOT operate without proper high power termination (QBH cable, for example)

** The power in the core of the fiber

*** Active cooling water required

Package Dimensions



Ordering Information

HPLCM-Nx1-①-②②②-③-④

N: Input Fiber Number	①: Input Fiber Type	②②②: Output Fiber Type	③: Max. Combining Power	④: Fiber Length
3 - 3 Ports	1 - LMA GDF 20/130-M	100 - 100/360 NA=0.22	3 - 3 kW	1 - 1 m
7 - 7 Ports	2 - LMA GDF 20/400-M	SSS - Specify	6 - 6 kW	2 - 2 m
S - S Ports	S - Specify		S - S kW	S - Specify