ALPhA NOV
Centre Technologique Optique et Lasers

Laser diode module

ALPhANOV supplies custom laser diode modules in a wide range of configurations to match with demanding industrial and R&D developments. Our laser diode modules integrate completely sealed high brightness laser diodes that can be wavelength-stabilized at 976nm for laser pumping applications. Based on ALPHANOV's high-brightness power combiners, our modules combine turn-key operation and high stability.

Key Features

- Up to >350W
- High brightness
- Compact and turn-key integration
- Fully customized

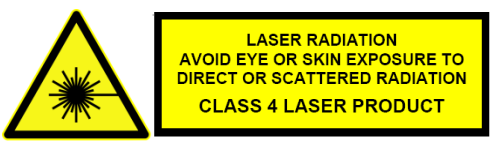
Applications

- Fiber laser & amplifier pumping
- Laser micromachining
- Plastic welding
- Heat treatment

Technical Specifications

Product description	
Output power	Up to 350W
Wavelength	960-980nm (other wavelengths available on request)
Optional	*Wavelength stabilization at 976 nm*
Optical fiber	High brightness (200µm/NA=0.22)
Connector type	FC-APC
Package	19" rack 1U
Cooling	*Air-cooled or water-cooled (depending on power)*
Operating voltage	80V
Operating current	12A

Specifications subject to change without notice.



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