Fiber Coupled and Collimated Laser Diode Modules

Fiber coupled laser diode modules

Features
- High power and high brightness
- Single wavelength and single fiber output
- Fiber core diameter 0.05-1.0mm, NA 0.22
- Fiber connector output SMA 905 (typical)
- Wavelength output 780-1530nm
- Flexible for system integration
- High coupling efficiency
- Power output up to 10KW

Typical Products and Specifications (Typical Products)

<table>
<thead>
<tr>
<th>Product Name</th>
<th>Outpower</th>
<th>Fiber Core Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>F10-XXX-0.5</td>
<td>10W</td>
<td>50 µm</td>
</tr>
<tr>
<td>F20-XXX-1</td>
<td>20W</td>
<td>100 µm</td>
</tr>
<tr>
<td>F150-XXX-2</td>
<td>150W</td>
<td>200 µm</td>
</tr>
</tbody>
</table>
We also offer other models not listed above. For more information, please contact us with a model number of your choice.

Model Number Breakdown (FY-XXX-Z)
F: Model Type: F = Fiber coupled laser diode module
Y: Output Power (W): Up to 10kW
XXX: Wavelength (nm) *Standard: 808, 915, 940, or 980 nm *Non-standard available. Please inquire.
Z: Fiber Core Diameter (in hundreds of microns): 0.05-1.0mm

1500W-3500W Fiber Output Diode Lasers Module

Features
- Output Power 1500W-3500W
- Connection for Fiber Cable
- Fiber termination: SMA, QBH
- Cost effective
- OEM Laser Diode Module for integration

more information
Collimated laser diode modules

Features

- High power and superior beam quality
- Polarized beam output
- Low divergence (~3mrad)
- Wavelength 780-1530nm
- Power output up to 1.5KW with signal wavelength
- Single wavelength or multi-wavelength output
- Compact design
- Maintenance free
- Flexible for system integration

more information
3500W-10,000W Direct Diode Lasers

Features
- Output power 3500W, 10,000W
- Various focused spot size: 1.5X16, 1X4, 1X2, 4X4, 2X50mm etc.
- Cost effective
- Light weight, long working distance
- Ready for integration
- Surface cladding and material surface process

more information

Laser Diode OEM Application
500W Direct Diode Lasers

Features
- Output Power 200W-500W
- Ready for fiber connection
- Cost effective
- Air Cool Module
- Fiber output, SMA connection

more information
Modules Options

In addition to our standard designs, Apollo Instruments offers many existing design modifications that allow for a high degree of product customization. Apollo Instruments also supplies a variety of optical options, such as low aberration focusing and/or collimation assemblies, mirrors, filters, spatial filters, and other accessories. Please inquire for further information if these options or other features can better help us meet your needs.

Detail Information