

Fiber Coupled Lasers

All AOTK's Lasers can be fiber coupled as you require. You also have to refer to the detailed specs of the laser modules (such as power, stability, noise, size, etc) to decide which laser you choose for fiber coupling.

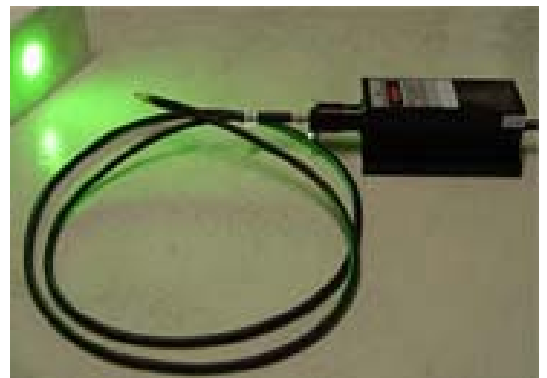
If you want to buy a fiber-coupled lasers, please tell us. We will do our best to help you. Also please read following notes carefully.

Fiber Coupling Efficiency (Connector Type: SMA905 or FC)

Wavelength (nm)	473, 532, 671, 1053, 1064, 1319, 1342	635, 660, 808, 980, 1560
Single Mode Fiber Core Diameter: 4~9 μm	>15%	—
Multi-mode Fiber Core Diameter: $\geq 100 \mu\text{m}$	>50%	>30%
Multi-mode Fiber Core Diameter: $\geq 200 \mu\text{m}$	>80%	>60%
Multi-mode Fiber Core Diameter: $\geq 400 \mu\text{m}$	>90%	>80%

Note

- For Single Mode fiber coupling, the customer has to offer the Single Mode fiber with connector.
- For Multi-mode fiber coupling, the customer also can send the fiber to AOTK for installing. Please choose high power fiber connector when the incident power more than 500 mW.
- For Multi-mode fiber coupling, we can offer the fiber made in China. The customer can inform us of the fiber requirements (such as fiber core diameter, fiber length, fiber connector, etc) in details.
- The customer has to calculate the Right Laser output power before fiber coupling according to the coupling efficiency. For example, if you want the laser power of 150 mW from a 100 μm fiber, you should choose a 300mW laser module due to the 50% coupling efficiency.
- The customer has to pay the additional fee for fiber coupling work.



Warranty

AOTK offers a limited warranty for all laser systems. AOTK diode-pumped solid state lasers are warranted to be free of defects in materials and workmanship for 12 months from the date of shipment. For full details of this warranty coverage of further products information, please refer to the Service and Support section at www.AOTK.com, or contact your local Sales or Service representative.

Ordering information:

For more information on this or other products and their availability, please contact the sales management of AOTK, Inc.

Sample: Epod671S - 0200-5 (Epod671S Model, Wavelength: 671nm, Output Power: 200mW, Power Stability: 5%)



Laser safety and electrical safety:

Caution! Visible and invisible laser radiation is extremely dangerous. Avoid eye or skin exposure to direct radiation or diffuse reflection. Most AOTK laser systems fall into class III or class IV laser classification. Most laser systems utilize different level AC and DC voltage in both laser head and power supply. All AOTK products are designed in a compact package.

NOTES

1. Due to our continuous product improvement program, specifications may change without notice.
2. Specifications apply to operation at the wavelength noted.
3. All statements, technical information and recommendations related to the products herein are based upon information believed to be reliable or accuracy or completeness thereof is not guaranteed, and no responsibility is assumed for any inaccuracies. The user assumes all risks and liability whatsoever in connection with the use of a product or its application, AOTK reserves the right to change at any time of a product offered for sale herein. AOTK makes no representations that the products herein are free from any intellectual property claims of others. Please contact AOTK for more information.