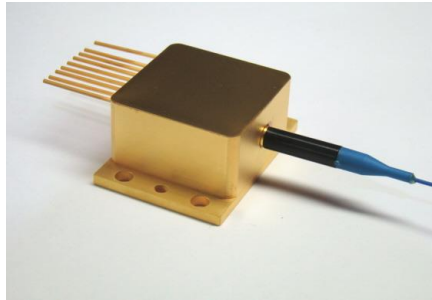




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Laser Module 450nm



Achray Photonics is pleased to offer fiber coupled Laser Modules at 450nm. The modules are offered in two basic versions of optical output: fiber coupled and free-space collimated beam. Each module is equipped with a Thermo Electric Cooler and a temperature sensor for thermal stability. All optical components are AR coated to ensure low back reflection and low optical noise. Fiber coupled laser modules feature high coupling efficiency ranging from 70% to 90%. On request, customized designs are available: dual wavelength, filters, FBG wavelength stabilization, high-speed output light modulation etc.

Laser Module specifications and options are listed below:

- | | |
|-----------------------|---|
| 1. Optical power: | 75mW |
| 2. Wavelength: | 440/450/460nm (Min, Typical, Max) |
| 3. Fiber: | 50/125 MM fiber. Other fibers available |
| 4. Optical Connector: | FC/UPC (standard) |
| 5. Max Current: | 145 mA |
| 6. Nominal Current: | 100 mA |
| 7. Threshold Current: | 50 mA |
| 8. Nominal Voltage: | 5.8V |
| 9. Max Voltage: | 7V |
| 10. PD Current: | 80uA (typical) |
| 11. Optional output: | Coated sapphire window, collimated beam |