

Article Overview

The price of a 940nm laser diode ranges from around \$50 for low-power single-mode diodes up to \$1,500 or more for high-power multimode modules.

Price Overview

- o Low-power single-mode diodes (5-200 mW): These are typically packaged in TO-style modules and are priced between \$50 and \$200, depending on the manufacturer and exact specifications .
- o Medium-power diodes (up to 30 W): Multimode 940nm diodes with fiber pigtails and compact packages are available for \$500 to \$1,500, often including options for drivers, heat sinks, and collimating lenses .
- o High-power turnkey modules (10-200 W): Fully integrated systems with drivers, fiber coupling, and software control can cost significantly more, with prices varying based on power output, fiber type, and additional features .

Factors Affecting Price

- o Power Output: Higher wattage diodes are more expensive due to increased manufacturing complexity and cooling requirements.
- o Mode Type: Single-mode diodes are generally less expensive than high-power multimode diodes with fiber coupling.
- o Turnkey Integration: Modules that include drivers, temperature control, and software interfaces cost more than standalone diodes.
- o Fiber Options: Polarization-maintaining (PM) fibers or Fiber Bragg Grating (FBG) options for narrow emission spectra add to the cost .
- o Supplier and Region: Prices vary depending on the manufacturer, distributor, and shipping location, with some suppliers offering bulk or wholesale pricing .

Summary

For a basic 940nm single-mode diode, expect to pay \$50-\$200, while high-power multimode or turnkey modules can range from \$500 to over \$1,500, depending on configuration and features. For precise pricing, it is recommended to contact suppliers directly, as options like fiber type, driver integration, and power output significantly influence the final cost .

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Price of 940nm laser diode

940nm 10W laser diode overview. These high power 940nm laser diodes deliver up to 10W of output power with an emission

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940nm Laser Diode, 10W Output Power, Multimode Fiber 940LD-2-MM Laser Diode

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Turn-key integrated laser diode module for 10 to 200 W multimode laser diodes. The module is offered with a high power SMA

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940nm, 200W Fiber Coupled Overview: Key features of these devices include a high output power of 200 watts, center wavelength of

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Mode Structure Multimode 940nm Laser Diode, 30W Output Power, Multimode Fiber 940LD-3-MM / Laser Diode

940nm Lasers What are 940nm Lasers? 940nm IR laser diodes and IR laser modules are available with both single-mode and multi

The model LDX-940NM-200W source and control systems are high performance, pre-configured laser

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The 940nm laser diode is widely used in industrial and DIY applications for engraving, cutting, and marking



Price of 940nm laser diode

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