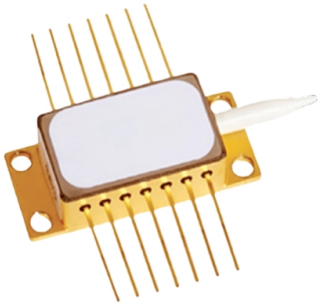
What is the price of an 850nm laser diode



Overview

850 nm Laser Diodes – MouserMouser offers inventory, pricing, & datasheets for 850 nm Laser Diodes. 850nm Laser DiodesAll Brands on One Site, Compare 850nm.

Key Takeaways

850nm laser diodes range from around $20 for low-power modules to several hundred dollars for high-power or fiber-coupled units. Typical Price RangesLow-power compact modules (1 mW): These are small, self-contained laser diode modules suitable for alignment, measurement, or bar code scanning applications. Prices start at approximately $20–$50 per unit, depending on the supplier and included accessories (e.g., Edmund Optics).

Medium-power diodes (40–250 mW, fiber-coupled, DFB): These single-mode or fiber-coupled diodes, often used in laboratory or industrial applications, typically cost $200–$500 per unit. Optional features like fiber Bragg gratings (FBG) or integrated drivers can increase the price. High-power pulsed or peak-output diodes (up to 550 mW): High-performance diodes designed for pulsed operation or specialized applications can cost $500–$800 or more, depending on specifications, packaging, and testing.

Factors Affecting Price

Power Output: Higher output diodes are more expensive due to increased manufacturing complexity and thermal management requirements. Module Type: Fiber-coupled, DFB, or turn-key bench-top modules with integrated drivers cost more than bare diodes. Manufacturer and Supplier: Brands like AMS Osram, TT Electronics, and Wurth Elektronik may have different pricing tiers, and distributors like Mouser or Farnell offer varying inventory and shipping options.

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Optional Features: Accessories such as focusing lenses, line generators, or integrated GUI control modules can add to the cost.

Summary

For general budgeting: Entry-level 850nm diodes: ~$20–$50Laboratory-grade single-mode/fiber-coupled diodes: ~$200–$500High-power pulsed or specialized modules: $500+ Prices fluctuate based on specifications, supplier, and optional features, so checking distributor websites like Mouser, Farnell, Edmund Optics, or Laser Diode Source is recommended for the most accurate and current pricing.

Article Content

850nm Laser Diodes

All Brands on One Site, Compare 850nm Laser Diode Specifications and Pricing, Unbiased SELECTION GUIDE, Research All of Your Choices and Select the Best

850 nm laser diode 40 mW to 250 mW fiber coupled

The singlemode 850 nm laser diode (Model 1 & 2) can be purchased mounted in this Pulse and CW laser diode driver. The 850 nm precision pulses are generated

850nm Laser Diode, 550mW Peak Pulsed Output Power

850nm Single Mode Laser Diode, Compare ALL BRANDS ON ONE SITE, Selection Guide to 850 nm Laser Diodes, Buy-Direct and Save on LaserDiodeSource

1mW 850nm Compact LDM Laser Diode Module

Compact LDM Focusable Laser Diode Modules are self-contained and compact and offer a variety of features. They are an ideal replacement for a helium-neon laser in many applications and offer the

2026 Best Laser Diode Components for Global Buyers?

Right now, the global demand for these laser diode components is seriously climbing. Industries like telecommunications, medical tech, and manufacturing are all pretty dependent on them.

What is an Optical Module?

An optical module typically consists of an optical transmitter (TOSA, Transmitter Optical Sub-Assembly, containing a laser diode), an optical receiver (ROSA, Receiver Optical Sub-Assembly, containing a

Chattanooga 33 Diode Cluster Laser Applicator

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High-power multi-source laser cluster: The Chattanooga 33 Diode Cluster Laser Applicator - DJO-27808 delivers 1440 mW total output across 33 emitters, combining laser diodes, SLDs, and LEDs for

What is an Optical Transceiver? – VCELINK

How Does an Optical Transceiver Work? The optical transceiver is essential in fiber optic communication for transmitting and receiving data. In electrical-to-optical conversion, the optical

Laser Hair Removal Cost in Malaysia: Sessions & Pricing Guide

How many laser hair removal sessions do you need in Malaysia, and what does it cost? A practical guide to session counts, pricing, and what to ask your clinic.

What is Optical Module？A Simple Guide for Beginners

TOSA (Transmitter Optzcal Sub-Assembly) The TOSA generates the optical signal. It contains the laser diode that converts electrical signals from your switch into light pulses that travel

10 Best Cold Laser Therapy Devices (July 2026) Expert Picks & Reviews

Best Cold Laser Therapy Devices in 2026 Here is the full side-by-side breakdown of every device we reviewed. Use this table to compare wavelengths, diode counts, and intended use

LD-PD PTE. LTD.

The PL-DFB-1511-A-1-SA-14BF 1511nm DFB laser diode module made by LD-PD is a cost effective, highly coherent laser source. The DFB laser diode chip is packaged in an industry standard

What Is an SFP Optical Module? Guide | PHILISUN

The module must be compatible with the physical fiber type in your network: Multi-Mode Fiber (MMF): Typically orange or aqua jacketed, MMF uses

OM1 vs OM2 vs OM3 vs OM4 vs OM5 Multimode Fiber Guide

OM3 vs OM4? OM3 and OM4 are both types of multimode fiber. Both are laser-optimized multimode fibers (LO-MMF) that operate at 850nm. However, OM3 fiber has an EMB of 2000

Latest Laser Diodes News, Products & Content

Latest news, products, white papers, articles, videos and webinars on Laser Diodes. All information on Laser Diodes can be found in one place.

Laser Trouble Shooting

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Coherent Customer Support provides products and services such as: • Customer-tailored maintenance and service contracts - 24/7 technical phone support agreements - Advanced replacement programs

DFB LASERS

DFB lasers are typically much higher in price relative to a Fabry-Perot device with a similar wavelength and optical output power. Quite a few factors contribute to the higher cost of DFB

How Much Does a Laser Cutter Cost? Complete Price

Discover comprehensive laser cutter costs in 2024, from $500 to $600,000. Compare prices across CO2, fiber, and diode laser cutters. Expert

Contact Us

Continue your research online:

Website: https://fdsoluciones.es
Technical inquiry: https://fdsoluciones.es/project-enquiry.html

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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