

How much does an 830nm laser diode cost

Article Overview

The price of 830nm laser diodes varies widely, ranging from around \$100 for low-power pigtailed modules to several thousand dollars for high-power fiber-coupled or integrated modules.

Low-Power Laser Diodes

For laboratory or OEM applications, low-power 830nm pigtailed laser diodes (1–100mW) are available. For example, Edmund Optics offers a 100mW pigtailed module with an integrated driver for plug-and-play operation, typically priced around \$100–\$200 depending on accessories and configuration. These are ideal for experiments requiring single-mode fiber coupling and simple integration.

Medium-Power Laser Diodes

Fiber-coupled 2–5W 830nm laser diodes are available from suppliers like AeroDIODE and QPhotonics. Prices for these modules generally start at \$500–\$1,500 for 2–3W versions and increase with power and additional features such as polarization-maintaining fibers or fiber Bragg gratings for narrow spectral output. These modules often include TEC regulation and air cooling for stable operation.

High-Power Laser Diodes

High-power 10–20W multimode 830nm laser diodes are offered as turnkey modules with integrated drivers and fiber coupling. Prices for these units can range from \$2,000 to over \$5,000, depending on the fiber type, connector, and additional control options. These are suitable for industrial, medical, or bioengineering applications requiring high brightness and stability.

Online Market Options

For more flexible or lower-cost options, eBay lists 830nm laser diodes, including 2W fiber-coupled modules, often priced between \$150–\$400, though availability and quality may vary. This can be a cost-effective option for prototyping or hobbyist use.

Summary...



Article Content

Nov 08, 2025

830nm Diode : BeamQ Laser, DFB Laser, Solid State Laser, Gaussian Laser ...

830nm Diode 810nm-890nm Infrared laser diodes LD with different wavelengths.
infrared laser diodes 830nm -915nm for CTP

Aug 03, 2025

830nm, 200mW, Fiber-Coupled Laser

Fiber-Coupled Benchtop Laser Systems provide powers up to 5W at the fiber output
across the UV, VIS, and NIR spectra from 405

Apr 28, 2026

Pricing Guide for Buying Laser Diodes

In order to help, we put together a short list to help you at least figure out how much
a “class” of laser diode might cost. This list is a

Oct 25, 2025

Everything You Need to Know About the 30mW 830nm Infrared Laser

To achieve this, the technician selects the 30mW 830nm IR laser diode module
because it emits no visible glow, yet its beam

Feb 01, 2026

830 nm laser diode from 200 mW up to 20 W

Ships Today - Fiber-coupled 830 nm laser diodes offered as stock items or associated
with a CW or pulsed

Nov 19, 2025

830nm Single-mode laser diodes – Sheumann Laser

830nm single-mode laser diode High brightness, quality, and reliability are the
foundation of our single-mode laser diode product

Mar 13, 2026

830 NM Diode for sale | eBay

5pcs Single Mode Laser Diode Sighting Thermal Imaging Night Vision 830nm 200mW
Brand New \$28.86 or Best Offer

Feb 18, 2026

830nm Laser Diodes – Shop Laser Diodes from Top Brands

830nm Laser Diode, 20W Output Power, Multimode Fiber 830LD-4-MM / Laser Diode

Jun 23, 2026

830nm Laser Diode, 30mW Output Power from CNI Laser

A narrow line width diode laser module from CNI laser. This 830nm device features narrow spectral line width, stable wavelength,

Jul 28, 2025

Laser Diode Characteristics, Precautions for Use and Drive Circuit ...

This is a document on the fundamentals of laser diodes explains the characteristics of laser light, package structure,

Jan 02, 2026

830nm Lasers | RPMC Lasers Inc

830nm Lasers What are 830nm Lasers? 830nm IR laser diodes and IR laser modules are available with both single-mode and multi

Dec 16, 2025

Thorlabs · LPS-830-FC 830 nm, 10 mW, C Pin Code, SM Fiber

LPS-830-FC 830 nm, 10 mW, C Pin Code, SM Fiber-Pigtailed Laser Diode, FC/PC
582,32 € Select a Serial Number

Sep 16, 2025

Laser Diodes, 808nm to 895nm (SHOP FROM ALL OF THE BRANDS)

Laser Diodes from 808nm to 895nm from ALL TOP MANUFACTURERS, 10mW-500W, COHERENT / QUANTEL / LUMICS /

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830nm Laser Diode – Laserland

830nm 5.6mm Infrared IR Laser Diode LD 10mW 30mW 100mW 200mW 300mW
\$6.00 – \$11.00 Select options Quick View

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Laser Diodes – Mouser

Laser diodes are available at Mouser Electronics from industry leading manufacturers. Mouser is an authorized distributor for many

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830nm Lasers, 830nm Infrared Lasers | Berlinlasers

830nm lasers are available with formal variety of infrared laser diodes, available with selected output power of single mode 60mW,

Oct 10, 2025

830 nm laser diode from 200 mW up to 20 W

Scroll down to see all configurations and prices. These fiber-coupled 830nm laser diodes are offered as

Dec 11, 2025

All the Top Laser Diode Brands & Wavelengths (SHOP

LASER DIODE SOURCE , Wavelengths 370nm to 15,000nm, Shop ALL THE LEADING LASER DIODE BRANDS, Selection

Jul 27, 2025

830nm Laser Diodes

All Brands on One Site, Compare 830nm Laser Diode Specifications and Pricing, Unbiased SELECTION GUIDE, Research All of

Jul 19, 2026

830nm 100mW Pigtailed Laser Diode

Pigtailed Laser Diode Modules are available with VIS and NIR wavelengths ranging from 405 to 1550nm, with output powers ranging

Nov 21, 2025

830nm 2W Laser Diode Multimode

830nm 2W laser diode overview. These high power 830nm laser diodes deliver up to 2W of output power

Nov 09, 2025

830nm Laser Diodes (high power LD)

Wavespectrum offer 830nm laser diode,1W,2.5W,3W output,TO5,C-mount package LD,FAC optional.

Sep 27, 2025

Laser Diodes for sale | eBay

Get the best deals on Laser Diodes when you shop the largest online selection at eBay . Free shipping on many items | Browse

Jun 29, 2026

830nm Single Mode Infrared Laser Diode

High power 830nm single mode infrared laser diode offers the most intense and powerful IR laser radiation efficiently. Get reliable

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price list

CHIP-650-P30, 650 nm, 30 mW, laser diode chip, (no guarantee on bare dies!)
CHIP-660-P100, 660 nm, 100 mW, laser diode chip,

Dec 04, 2025

830 nm Laserdiode von 200 mW bis 20 W

Heute geliefert - Fasergekoppelte 830 nm Laserdioden werden als Lagerware oder in Verbindung mit einem schlüsselfertigen CW

Jan 11, 2026

830 nm Laser (Diode; PM Fiber)

DESCRIPTION 830 nm diode laser is fiber coupled to a single-mode polarization-maintaining fiber. It can provide up to 100 mW

May 09, 2026

830nm Laser Diode, 210mW Fabry-Perot

830nm, 210mW Laser Diode, Fabry-Perot // Compare All Brands on One Site,
Unbiased Laser Diode SELECTION GUIDE on

Jul 04, 2026

830 nm Collimated Diode Laser System

830 nm NIR Collimated Diode Laser System The LRD-0830 Series of Collimated Diode (Semiconductor) Lasers are ideal for

Mar 01, 2026

830nm Multimode laser diodes – Sheumann Laser

830nm multimode laser diode Multimode laser diodes offer higher output power than single-mode laser diodes. For applications

Mar 26, 2026

830nm Laser Diode, 200mW (SINGLE MODE)

200mW (CW), 830nm Laser Diode with Single Mode Fiber These single mode Fabry-Perot laser diodes are centered at 830nm and

Jan 11, 2026

nm laser modules - Kvant Modules

The diode laser modules that output red, green and blue laser beam, as well as full-colour white-light laser beam (RGB laser diode

May 10, 2026

830nm Laser Diode

830nm 850nm 880nm 905nm 940nm 980nm 1064nm 1270nm 1290nm 1310nm
1330nm 1350nm 1370nm 1390nm 1410nm 1430nm

Dec 10, 2025

MicroLight Smart Laser ML830 DC Cold Laser 830 nm

The MicroLight Smart Laser Home Model includes one Triple Probe Paddle with three Gallium-Aluminum

Feb 06, 2026

Arktis Laser | Scientific Lasers | Arktis Laser

CW 830 nm Lasers The LRD-0830 Series of Collimated Diode (Semiconductor) Lasers are ideal for applications requiring a

Jan 17, 2026

Laser Diodes by Wavelength

Laser diodes, which are capable of converting electrical current into light, are available from Thorlabs with center wavelengths in the

Feb 06, 2026

830nm 100mW Pigtailed Laser Diode

These laser diodes also feature an integrated driver for plug and play operation, only requiring a 5V external power supply (#73-818).

Jun 15, 2026

830nm Laser Diodes

\$1055.00 830 nm 0.055 W Butterfly SM Fiber-Coupled Fabry-Perot - Linewidth: 1nm - FC/APC connector LD4B Laser Diodes

Apr 21, 2026

QL83I6SA QSI Laser | Laser Diodes, Modules | DigiKey Marketplace

QL83I6SA - Laser Diode 830nm 30mW 2V 55mA TO-56-3 Lens Top Metal Can from QSI Laser. View datasheets, pricing and

Jul 13, 2026

High-Power, Single-Mode Laser Diodes, 830nm 450mW

The primary cause of diode failure is unexpected electrostatic discharge. To help prevent device failures, the user should always

Contact Us

For more information, pricing, or custom solutions, please contact us:

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