

What is the price of a red laser diode



Article Overview

Red laser diodes typically range from \$2 to \$50 per unit, depending on wavelength, output power, and specialty features.

Typical Price Range

Red laser diodes, covering wavelengths from 635 nm to 655 nm, are available in a wide range of prices. Basic low-power diodes suitable for consumer electronics or laser pointers generally cost \$2–\$10 per unit, while higher-power or specialty diodes, such as single-mode, narrow-linewidth, or DFB/DBR types, can range from \$20 up to \$50 or more per unit depending on specifications and packaging .

Factors Affecting Price

- Output Power: Higher optical power increases cost, as more robust materials and cooling considerations are required .
- Spectral Properties: Narrow-linewidth or single-mode diodes command higher prices due to precision manufacturing .
- Package Type: Standard TO-can packages are cheaper, while specialized modules or integrated assemblies are more expensive .
- Application-Specific Features: Diodes designed for medical, industrial, or scientific applications often include additional quality control, stability, or wavelength accuracy, raising the price .

Market Context

The global red laser diode market was valued at approximately USD 1.2 billion in 20...

Article Content

Laser Diodes | RS

Shop our range of Laser Diodes, colours include red, blue, and green laser diodes. Browse our IR, VCSEL and continuous wave

Laser Diodes – Mouser

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

Laser Diodes, Modules | Optoelectronics | DigiKey

Shop DigiKey's large in-stock selection of Laser Diodes, Modules. View inventory, pricing and order now for same day shipping!

Amazon : Laser Diode Module

1-16 of 507 results for "laser diode module" Results Check each product page for other buying options. Price and other details may

Red Diode Laser 635nm, up to 100mW at best price in New

Get Red Diode Laser 635nm, up to 100mW in Shahdara, New Delhi, Delhi at best price by Adlabs Instruments. Also find Laser Diode

Amazon.ca: Laser Diode

Laser Module Red Line Laser Generator 650nm 5mw (2 Pack) Diode Lasers (Red Line) 5.0 (1) \$899 FREE delivery Sun, Jul 19 on

Red Lasers – laser diodes

Red laser diodes, based on, e.g., GaInP or AlGaInP quantum wells, are available with different output power levels, ranging from a

Red Lasers | 620-749nm pulsed, CW & diode lasers

Red lasers typically emit light at around 650 nanometers. This wavelength corresponds to a specific range

Laser Diode, Surface Mount & Through Hole | RS

Laser diodes are available in a range of different packages, for example TO-38 and TO-56. What colours are laser diodes? The most

Amazon : Laser Diodes

10 Pieces 5V 650nm 5mW Red Dot Laser Head Red Laser Diode with Leads, 6mm Outer Diameter Save 5% when you buy \$20.00

Red Laser Diode for sale | eBay

Get the best deals for Red Laser Diode at eBay . We have a great online selection at the lowest prices with Fast & Free shipping

Laser Module Red"Line" Laser Generator 650nm 5mw (2 Pack) Diode Lasers

Buy Laser Module Red"Line" Laser Generator 650nm 5mw (2 Pack) Diode Lasers: Diode Lasers - Amazon FREE DELIVERY

Red Laser Diode

Explore a wide range of our Red Laser Diode selection. Find top brands, exclusive offers, and unbeatable prices on eBay. Shop now

Laser Diode | VCSEL| RS

Laser diodes are available in a range of different packages, for example TO-38 and TO-56. What colours are laser diodes? The most

Laser diode module red

Small, compact and reliable diode laser module with red 650nm @ 5mW. Adjustable collimator for customer specific focal length.

Laser Diodes - semiconductor, gain, index guiding, high

Laser diodes are semiconductor lasers with a current-carrying p-n junction as the gain medium. They are

Red Lasers - Buyer's Guide & Supplier List | RP Photonics

This buyer's guide for red lasers provides technical background, comparison of major types, selection criteria, and an overview of

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

Lasers By Color / Wavelength - Power Technology, Inc.

What's your wavelength? - We've got that! Our precision lasers cover the red, blue, green, IR, and UV portions of the visible

Red Laser Diodes

ROHM's red laser diodes are optimized for sensor applications such as barcode readers, ranging equipment, marking

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

Red Laser Diode Modules

Trader - Retailer of Red Laser Diode Modules - Red Diode Laser 635nm, up to 100mW, Low Noise Laser Diode, Red Laser Diode

Amazon : Laser Diode

Prakti 5V 650nm 5mW Red Dot Laser Head Red Laser Diode Laser Tube with Leads Head Outer Diameter 6mm 2 Pcs 3.5 (6) ₹90

Amazon .uk: Laser Diodes

Hailege 20pcs 5V 650nm 5mW Red Dot Laser Head Red Laser Diode Laser Tube with Leads Head Outer Diameter 6mm 4.7 (5)

Red Laser Diode 650nm, 6mm OD, 5V Module

650nm Red Laser Diode module with 6mm outer diameter. Operates at 5V, emitting a focused red beam.

Contact Us

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

Website: <https://sdesign.net.pl>

Email: sales@sdesign.net.pl

Phone: +48 694 237 815

Address: ul. Marszałkowska 10, 00-001 Warsaw, Poland

This document is for informational purposes only. Specifications subject to change without notice.

