

German Red Laser Diode Models



AI Overview

German red laser diodes are available from suppliers like ROHM, Frankfurt Laser Company, Mouser Germany, and Edmund Optics, offering wavelengths from 635 nm to 660 nm and output powers from 1 mW to over 100 mW.

Key Suppliers and Models

ROHM Semiconductor offers red laser diodes optimized for sensor applications such as barcode readers, distance measurement, marking devices, and PM2.5 detection. Their models cover the 650–660 nm band for DVD applications and 635 nm high-visibility types, including high ESD-resistant and high-output versions suitable for high-temperature operation. Frankfurt Laser Company (FLC) provides a wide range of red laser diodes, including FP, DFB, and DBR types, as well as broad area diode arrays, VCSELs, and quantum cascade lasers. These are suitable for both research and industrial applications, offering precise wavelength control and high reliability. Mouser Germany stocks red laser diodes with detailed datasheets, pricing, and availability, making it convenient for OEM integration and prototyping. Their catalog includes both standard and high-performance modules. Edmund Optics Germany supplies red and infrared laser diodes for alignment and OEM applications, with output powers from 1 mW to 100 mW and wavelengths including 635 nm, 780 nm, 808 nm, 850 nm, and 980 nm. Many modules include built-in electronics and collimation optics, supporting TTL modulation up to 10 kHz. Safety precautions and proper laser handling are emphasized for all applications.

Applications and Considerations...

Article Content

Mar 27, 2026

Red Laser Diode Modules Online | World Star Tech

Durable red laser modules for precision and performance. Explore solutions crafted for accuracy. Enhance your projects!

Jul 25, 2025

Watt-level red-emitting diode lasers and modules for display ...

Red-emitting lasers for display applications require high output powers and a high visibility. We demonstrate diode

Sep 04, 2025

High Power 150mW-500mW 650nm Red Laser Diode Module

Employed by high power import 650nm red laser diode, excellent equipment with metal heat sink cooling system and APC, ACC

Mar 22, 2026

Laser diode

The laser diode chip removed and placed on the eye of a needle for scale A laser diode with the case cut away. The laser diode chip

Apr 14, 2026

Comparison of high power red-emitting diode laser designs ...

A comparison is made between, on the one hand, the red-emitting laser structure currently widely used for medical

Jun 14, 2026

Rote Laserdioden

Rote Laserdioden sind für Sensoranwendungen wie Barcode-Lesegeräte, Entfernungsmessgeräte,

Dec 24, 2025

Visible InGaN Laser Diodes

Single mode laser diodes Compared to frequency-doubled lasers, direct green lasers have a high operating temperature range of up

Dec 29, 2025

Laser Diodes Laserdioden – Mouser Deutschland

Laser Diodes Laserdioden sind bei Mouser Electronics erhältlich. Mouser bietet Lagerbestände, Stückpreise und Datenblätter für

Sep 28, 2025

High-Power 638-nm Red Laser Diode with Built-in Lens for Display ...

High-Power 638-nm Red Laser Diode with Built-in Lens for Display Applications
Authors: Fumio Shohda* and Kohei Sakai* A red

May 30, 2026

Laser Components

LASER COMPONENTS Germany – Ihr kompetenter Partner für optische und optoelektronische Komponenten in

Jun 02, 2026

Red Laser Diodes

In addition to the 650-660nm band for DVDs, high visibility 635nm wavelength types are also available. The wide

Mar 10, 2026

635nm Red Laser Diode Module, High Brightness Red

635nm red laser module adopts compact version design with proper qualified 635nm red laser diode,

Dec 14, 2025

Red Laser Diodes – Mouser

Red Laser Diodes are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for Red Laser Diodes.

May 28, 2026

Red Laser Diodes – Mouser Europe

Mouser offers inventory, pricing, & datasheets for Red Laser Diodes.

Dec 18, 2025

Laser Components

State-of-the-art PRODUCTION FACILITIES We manufacture our components for the photonics industry at

Jul 19, 2026

Red Laser Diode Modules

Configuration Narrow linewidth, single longitudinal mode lasers suitable for making holograms and other interference applications

Aug 11, 2025

Configurable Red Laser Diode Modules

Red Laser Diode Modules available in wavelengths from 630nm to 740nm and in a range of form factors. Click for more information.

Feb 12, 2026

Red Laser Diodes

Red Laser Diodes Red laser diodes are optimized for sensor applications such as barcode readers, ranging

May 28, 2026

US-Lasers: 640nm-5mW

OPTICAL and ELECTRICAL CHARACTERISTICS - ($T_c=25\text{ }^{\circ}\text{C}$) Items Optical output power
Threshold current

Aug 28, 2025

LASOS Laser technology | For worldwide photonics

The product range encompasses gas laser technology, diode laser modules and diode-pumped solid-state

Nov 23, 2025

Laser Components

All production facilities are certified according to DIN ISO 9001; in Germany also according to EN ISO

Jan 22, 2026

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

Feb 16, 2026

Laserdiode - Wikipedia

Laserdiode im 5,6-mm-Gehäuse, wie es unter anderem in CD-Laufwerken verwendet wird (Größenvergleich: Münze mit 19 mm

Jun 21, 2026

Rote Laserdioden

ROHM offers a diverse product lineup that meets the needs of an ever-expanding range of applications. ROHM offers a diverse

Oct 24, 2025

Diode Laser Components | Coherent

Coherent Diode Laser Components offer a broad wavelength range with scalable power levels. Choose

Jul 15, 2026

Compact Red Laser diode Module

This compact red laser diode module is self-contained with integrated laser driver circuit, in a compact body. offers a cost effective

Jun 12, 2026

CW Laser Diodes (Red)

The classic laser diode emits in the red spectral range from 635 nm to 680 nm. Depending on the field of application and required

Jul 13, 2026

Red laser | Product | Laser | Ushio Inc.

Ushio's red laser diodes are available in a wide range of wavelength from 630 nm to 690 nm and optical output from 5 mW to 4.2 W.

Contact Us

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