Laser Diode Application Module



Overview

Laser Diode Modules (LD Modules) provide a fully integrated laser solution, combining a laser diode, lensing, thermal management, and electrical interface within a compact, user-friendly housing. With power ranges. Whether it is diodes for extremely high reliability applications such as LiDAR pumping or high-power pump modules for industrial and security applications, or customized laser diodes for scientific applications, TRUMPF Photonics is your OEM design and manufacturing partner of choice. From our. □□ For purchasing, use the RP Photonics Buyer's Guide for laser diode modules. It provides an expert-curated supplier directory, buyer-focused technical background information, and structured selection criteria to support professional procurement decisions.

Article Content

Laser Diodes, Modules | Optoelectronics | DigiKey

Laser Diodes, Modules Laser Diodes and Modules are semiconductor devices that can emit a beam of high intensity focused radiation, typically in the infrared, visible or ultraviolet wavelength ranges of the

Laser Diodes and Pump Modules

Whether it is diodes for extremely high reliability applications such as LiDAR pumping or high-power pump modules for industrial and security applications, or

Laser Diode Modules

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Fiber CouplingPower ModulationPulse GenerationWavelength ConversionThere are green laser diode modules with an internal frequency doubler. Such a module may contain an amplified single-mode laser diode and a nonlinear waveguide, for example.See more on rp-photonics ProPhotonix

Plug and Play Laser Diode Modules - ProPhotonix

ProPhotonix manufactures easy-to-use, plug-and-play laser diode modules for a wide range of laser applications such as laser lines for machine vision, industrial

Laser Diode Modules | CW & LD Modules | UV-LWIR

With configurations tailored to both OEM and plug-and-play needs, these modules provide high power, stability, and flexibility for precise applications such as flow

Laser Diode Modules

Diode lasers are the most common type of laser and are used in multiple applications due to their small footprint and low cost. We offer laser diode

ProPhotonix Laser Diode Modules

ProPhotonix designs and manufactures easy to use, plug and play laser diode modules for a wide range of laser applications including uniform laser lines and

Diode Laser Components | Coherent

Diode Laser Components Product Family Beam Shaped Modules Power applications as diverse as semiconductor wafer defect detection, wafer

Industrial and Pointing Lasers

Coherent® Visible Laser Diode Modules Robust, High Quality Laser Diodes with Small Form Factor

Evolase LDM-PS/NS Series Pulsed Laser Diode Modules

Overview The Evolase LDM-PS and LDM-NS series are compact, turnkey pulsed laser diode modules engineered for precision timing, high peak power, and spectral versatility in semiconductor

Eoguar EGLW-SMF Series Single-Mode Fiber-Coupled Laser Diode Module

Overview The Eoguar EGLW-SMF Series is a line of single-mode fiber-coupled laser diode modules engineered for precision optical integration in laboratory, industrial, and research environments.

48 Laser Diode Manufacturers in 2026

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Laser diode modules offer optimal-performance, stability, and precision for applications like machine vision, alignment, and medical equipment. These products find application in industries such as

Fundamentals of Lasers

Figure 1: The structure of a laser diode causes the elliptical beam shape typically associated with laser diodes. Fan Angle: The fan angle is the angle produced by

Laser Heads for CNC Engraving ∗ Laser Systems,

European manufacturer of laser systems, modules, and electronics. Laser solutions for science and industry. E-shop: laser components, engraving laser heads for

ExpressLightwave LDI200 Semiconductor Laser Diode Driver

Overview The ExpressLightwave LDI200 is a high-stability, compact constant-current driver module engineered specifically for the precise biasing of low-to-mid-power semiconductor laser diodes.

Global Leader in Materials, Networking, and Lasers

Communications Transform global communications networks with our comprehensive portfolio of coherent transceivers and modules, lasers, amplifiers,

An Introduction to Laser Diodes

An Introduction to Laser Diodes Learn about the laser diode, including package types, applications, drive circuitry, and some laser diode

Wuhan Raycus Fiber Laser Technologies Co., Ltd.

About Raycus Wuhan Raycus Fiber Laser Technologies Co., Ltd. (hereinafter referred to as "Wuhan Raycus") is the first Chinese enterprise engaged in the research, development and scale production

All the Top Laser Diode Brands & Wavelengths (SHOP

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

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