

MCL Laser Diode Module



Overview

The microchip laser module delivers short single mode pulses on demand at a wavelength of 1064 nm. The MCL-1064-150 contains a microchip with pump diode and a. 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 electromagnetic spectrum, coherently (light waves of the same wavelength, phase and direction). These LD products are used for several applications, including consumer products such as home theater projectors, industrial products such as exposure systems, endoscopes and. Select your diode laser from a broad wavelength range with scalable power levels. Choose single emitters, bars, stacks, or fiber-coupled modules. Vertical Integration Experience the entire value chain from epitaxy to packaging in house! Volume Supplier Count on high reliability products and. Thorlabs' laser diodes are available in a wide variety of packages: TO can sizes from Ø3.5 mm, fiber-pigttailed TO cans, butterfly, extended butterfly, C-mount, D-mount, high heat load (HHL), and chip on submount. Our extensive selection includes Fabry-Pérot and Fiber Bragg Grating (FBG). Within the BAL series, wavelengths between 653 and 1,120 nm are available with output powers between 1 and 19 W in cw mode or even up to 90 W in pulse mode. Its high pulse energy and fast rise time makes the BAL series of multi mode laser diodes the laser source of choice for high resolution sensing.

Article Content

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 specifications.

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 Diodes by Package & Type

For those working in the Mid-IR, we also offer Quantum Cascade Lasers (QCLs) and Interband Cascade Lasers (ICLs). The Laser Diode Selection Guide lists all laser

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 is the small black chip at the

Laser diodes modules

Lyrae : High power multimode fiber-coupled laser diode modules, multi-emitter Applications :

Amazon : Laser Diode Module

Amazon : laser diode module Check each product page for other buying options. Price and other details may vary based on product size and color.

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 modules with free

Laser diode module red

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

Laser Diodes, Modules | Optoelectronics | DigiKey

Shop DigiKey's large in-stock selection of Laser Diodes, Modules. View

Line Laser Diode

Description You have some frickin' sharks at your lair, and you're thinking "it would be really great if I could attach some lasers to them" and then you see these little

U.S.Lasers

US-Lasers, Inc. manufactures laser diodes, laser modules and laser products. Visible and infrared Laser Modules High and Low Power - 5mW, 10mW, 15mW, 30mW, 50mW, 200mW, for OEM's and R& D

Laser Diode Module Tutorial : 4 Steps

Laser Diode Module Tutorial: Description: This 100mW laser module emits a small intense focused beam of visible red light. The module can be used with an

Pulsed Laser Diodes at 905

Pulsed laser diodes and arrays at 905 nm are available with peak power levels up to 650 W.

Diode Laser Components | Coherent

Get reliable, vertical and horizontal diode laser stacks and two-dimensional arrays, with power into the multi-kW range, for pumping,

LD | NICHIA CORPORATION

Diverse Emission Spectrum Nichia's laser diodes (LDs) are available in a diverse spectrum of wavelengths, ranging from UV to blue, green, and red. These LD

Laser Diodes and Modules

Within the BAL series, wavelengths between 653 and 1,120 nm are available with output powers between 1 and 19 W in cw mode or even up to 90 W in pulse

2.5W 525nm Fiber Coupled Laser Diode Module

Opt lasers 2.5W 525nm Fiber Coupled Laser Diode Module is characterized by medium optical power, fast speed, and flexibility in the cooling method choice.

High Power Pulsed Laser Diodes 905-Series

Laser Safety Personal Hazard: Depending on the mode of operation, these devices emit highly concentrated non visible infrared light which can be hazardous to the human eye. Products which

Data sheet Microchip Laser MCL-1064-150

The MCL-1064 contains a Q-switched microchip with pump diode and a software controlled electronic module. The microchip consist of a Nd:YVO4 laser crystal with a saturable output coupler.

Laser Diodes and Modules

Product PortfolioAMS Technologies is a leading supplier of laser diodes and carries an exceptionally broad portfolio of component-style laser diodes as well as laser

Laser Diodes | Components to Systems | UV-LWIR

Our vast selection of laser diodes includes both free-space & fiber-coupled outputs, like high-power Fiber-Coupled Multimode, high beam quality single mode, and

Laser Diode Modules – diode laser, beam shaping,

A laser diode module may contain not only simple connections to the pins of the laser diode, but also additional electronic circuits, e.g. for protecting the laser

Laser Diode Module Selection Guide

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 Modules with free space or fiber coupled output for

Microchip laser MCL-1064

The MCL-1064-150 contains a microchip with pump diode and a software controlled electronic module. The microchip is based on a Nd:YVO 4 laser crystal with a semiconductor saturable output coupler.

Dioden-Lasermodule | Coherent

Dioden-Lasermodule Verwenden Sie diese kompakten, wirtschaftlichen Module, um die Strahlform, Wellenlänge und Leistung zu erhalten, die Sie für Ihr Instrument oder Ihre Forschung benötigen.

Red Dot Laser Diodes : Calpac Lasers Diode Modules Pointers and

Our Red Laser Dot Projecting Diodes are available in varying wavelengths, and output power (1mW-5mW/ up to 35mW available), Wavelength (650nm, 635nm shown). Diode Modules incased in

LD | NICHIA CORPORATION

The "QuaLas™ RGB" laser product, featuring RGB LD chips densely mounted in one small package, has been installed in many projectors, making them more

How to Use Laser Diode Module: Examples, Pinouts,

Learn how to use the Laser Diode Module with detailed documentation, including pinouts, usage guides, and example projects. Perfect for students, hobbyists, and

Plug and Play Laser Diode Modules

Easy to use, plug and play laser diode modules ProPhotonix manufactures easy-to-use, plug-and-play laser diode modules for a wide range of laser applications

Contact Us

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

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