

What does 400nm laser diode mean



Overview

It features a narrow spectral linewidth, long coherence length, stable wavelength, long lifetime and easy operation. They are widely used in holography, interference, fluorescence, photoetching, flow cytometry, DNA sequencing, Raman spectroscopy, Laser radar, precision. Diode laser at 400 nm. : 3 Driven by voltage, the doped. QPhotonics offers a wide range of high brightness pigtailed laser diodes with power from 150mW to 5W in 660-1800nm wavelength range. They come in three configurations: HHL package, 14pin butterfly package, and optical flat package, with 62um and 100um fiber, NA=0. The LRD-0400 Series of Collimated Diode (Semiconductor) Lasers are ideal for applications requiring a short wavelength of 400 nm and output power levels from 5 mW to 300 mW with a high level of long-term output power stability. These lasers are commonly used for various scientific applications.



Article Content

400 nm diode laser, CW laser with narrow linewidth, low noise UV

400 nm UV diode laser. It features low noise, power stability, ultra compact design, long lifetime, cost-effectiveness and easy operation. The laser is used in measurement, communication, spectrum

400 nm Diodenlaser, CW-Laser mit schmaler Linie, rauscharme UV-Laser ...

400 nm UV Diodenlaser, Dauerstrichbetrieb (CW), rauscharm, hoher Kohärenzlänge, schmale Linienbreite, hohe Stabilität

400 nm Collimated Diode Laser System

The LRD-0400 Series of Collimated Diode (Semiconductor) Lasers are ideal for applications requiring a short wavelength of 400 nm and output power levels from

Laser diode

OverviewTheoryHistoryTypesReliabilityApplicationsCommon wavelengthsFurther reading

A laser diode is electrically a PIN diode. The active region of the laser diode is in the intrinsic (I) region, and the carriers (electrons and holes) are pumped into that region from the N and P regions respectively. While initial diode laser research was conducted on simple P-N diodes, all modern lasers use the double-hetero-structure implementation, where the carriers and the photons are confined in order to maximiz

405nm Laser Diodes for Medical Bio & Industrial | Shop

Our Violet 405nm laser diodes, based on GaN/InGaN technology, deliver near- UV performance for cutting-edge biomedical, optical, and industrial applications,

DLNE400 Series 400nm Narrow Linewidth Diode Laser System up to

Overview The DLNE400 series diode laser is ideal for applications that require a wavelength of 400nm and output power levels up to 50mW. The laser features narrow spectral linewidth, stable

405 nm laser (Diode; PM Fiber)

DESCRIPTION Polarization-maintaining fiber-coupled 405 nm diode laser features extreme brightness combined with perfect beam shape and virtually perfect Gaussian intensity distribution. 405 nm is

400nm Laser Diode| Shop Leading Brands

Product Overview 400nm, 30mW Laser Diode, Single Mode Fiber-Coupled This UV laser diode is offered in a single mode fiber-coupled coaxial package. This laser

400nm, 50mW Laser Diode

Long coherent length diode laser module from CNI Laser. With a wavelength at 400nm, this module is made to produce a long coherent length, stable wavelength with long lifetime and easy operating,

400 nm Collimated Diode Laser System

Description 400 nm Violet Collimated Diode Laser System The LRD-0400 Series of Collimated Diode (Semiconductor) Lasers are ideal for applications requiring a

Multimode Fiber coupled laser diode...

QPhotonics offers a wide range of high brightness pigtailed laser diodes with power from 150mW to 5W in 660-1800nm wavelength range. They come in three

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

400nm Laser Systems | Lasermate Group, Inc.

400nm Violet Diode Laser Systems Lasers / Laser Systems / UV Lasers / Violet Lasers / 400nm Laser Systems 400nm Laser Systems Lasermate Group, Inc. is proud to offer 400nm laser systems. Our

DL400 Series 400nm Diode Laser System up to 300mW

The DL400 series diode laser is ideal for applications that require a wavelength of 400nm and output power levels up to 300mW. The laser features a compact design, long operating lifetime, easy

A close look at a 650nm laser diode

A close look at a 650nm laser diode Because of a project involving a 7mW 650nm laser diode I had some diodes around, so I opened one up and took

Laser Wavelength: Wavelength Factors, How Does It

The wavelength of a laser refers to the spatial period of the electromagnetic wave the laser produces. Learn more about it here.

400nm NICHIA NDV7375E Blue Laser Diode

These 400nm laser diodes from Nichia offer optical output power of up to 1.2W. These CW devices operate at a peak wavelength of 400nm to 405nm. They are

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 hazard distance chart

Laser hazard distance chart The chart below gives hazard distances for selected consumer laser types, and for various parameters such as the beam color, beam

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

Laser diodes (LD) are semiconductor devices that convert electrical energy into high-power optical energy. These devices are currently used in the fields of telecommunications and medicine and in

LDLC400 Series 400nm Long Coherence Diode Laser System up to

The LDLC400 series diode laser is ideal for applications that require a wavelength of 400nm and output power levels up to 50mW. The laser features narrow spectral linewidth, stable wavelength, ultra

400nm, 50mW Narrow Linewidth Laser Diode from CNI

These narrow line width diode laser modules from CNI Laser at 400nm offer very stable wavelength, long lifetime and turn-key simple operation. They are used

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