Budowa Silesia Photonics

Classification of Laser Diodes by Wavelength

Overview

The wavelength chart below shows all the currently available laser wavelengths we offer. Just click on one of the wavelength numbers or the point on the chart and the system will display all the available models for that wavelength. Laser diodes (LD) are semiconductor devices that convert electrical energy into high-power optical energy. We also offer Quantum Cascade Lasers (QCLs) and Interband Cascade Lasers (ICLs) with center. An immense slab of "continuous melt" processed neodymium -doped laser glass for use on the National Ignition Facility. This junction is known as a p-n junction. This property makes laser beams very bright and focused on a tiny spot. This. Currently, we offer over 120 different laser modules, with power output ranging from 5mW up to 30 Watts, in the range from 304nm to 975nm.

Article Content

7 Common Types of Laser Diodes and Their Common Applications

These types of laser diodes are commonly used for marking, engraving, healthcare, and data transmission. Each type of laser diode is designed for specific applications, so choosing the right one ...

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

Shorter wavelengths are closer to ultraviolet (UV) and blue light, while longer wavelengths are closer to infrared (IR) light. Different wavelengths have different propagation ...

Laser Diodes by Wavelength

Laser diodes, which are capable of converting electrical current into light, are available from Thorlabs with center wavelengths in the 375 - 2000 nm range and output powers from 0.2 mW up to 2 W.

List of laser types

This is a list of laser types, their operational wavelengths, and their applications. Thousands ...

Laser classification table

Lasers are classified for safety purposes based on their potential for causing injury to humans'' eyes and skin. Most laser products are required by law to have a label listing the Class. It will be listed either in ...

Laser Diode Characteristics and Definitionsf

What is a Laser Diode? A laser diode, similar to a light emitting diode (LED), is comprised of a junction between two semiconductors (one positive, one negative). This junction is known as a p ...

Laser Diodes

The emission wavelength of a laser diode is determined by the band gap of the semiconductor material. Different material systems allow for a wide range of emission wavelengths, from near-infrared to ...

Common Laser Types

Diode lasers contain a semiconductor p-n junction as the gain medium. They tend to have the highest power-to-cost ratio and benefit from high power conversion efficiency, high quantum efficiency, and a ...

List of laser types

This is a list of laser types, their operational wavelengths, and their applications. Thousands of kinds of laser are known, but most of them are used only for specialized research.

Laser Diode

Laser diodes are commonly used in devices such as barcode readers, laser printers, security systems, and fiber optic communications. This article will provide an overview of the different types, ...

Laser Modules by Wavelength

The wavelength chart below shows all the currently available laser wavelengths we offer. Just click on one of the wavelength numbers or the point on the chart and the system will display all the available ...

Contact Us

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