

How to identify the model number of a laser diode



AI Overview

You can obtain a laser diode model number by checking the laser marking on the diode, consulting the datasheet, or using manufacturer search tools.

1. Check the Laser MarkingMost laser diodes have a laser-etched code on the diode cap that represents the part number. For example, Ushio laser diodes use a combination of letters and numbers (typically 6–8 characters) to indicate the model, production year, and month . The first few characters often identify the diode type, while the last character may indicate the production year, and a letter may represent the month.
2. Consult the DatasheetIf you have access to the diode's datasheet, it will clearly list the model number, wavelength, power, and package type. Manufacturers like ProPhotonix and Thorlabs provide online selectors and datasheets where you can match your diode's specifications to find the exact model . Key parameters to note include wavelength, output power, and package style.
3. Use Online Search ToolsWebsites such as Laser Components and ProPhotonix offer laser diode search engines. By entering your diode's specifications (wavelength, power, package), you can quickly locate the corresponding model number . If no exact match is found, contacting technical support can help identify custom or discontinued models.
4. Visual and Module InspectionFor diode modules, sometimes the enclosure or PCB has a label with the model number. You can also refer to YouTube tutorials or manufacturer guides that demonstrate how to identify the diode inside a module safely without damaging it . This is especially useful for older or unmarked diodes.
5. Contact Manufacturer SupportIf markings are unclear or the diode is custom, contacting the manufacturer with the diode's physical characteristics and measured parameters (wavelength, power, package) is often the most reliable way to obtain t...

Article Content

identification

Maybe you don't know the part number? This appears to be a common DO-15 packaged diode. Here's a package specification. A similar slightly-larger package, DO-201, is also common, but

Help identify a laser diode

Reverse-engineering the circuit might show how the laser is being driven (constant current usually) and might show what current value is involved,

Officetel-watcher/seen.json at main · siufuguv-hub/Officetel ...

Contribute to siufuguv-hub/Officetel-watcher development by creating an account on GitHub.

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

Laser Diode Pinout

Most of the dvd laser diodes are 405nm, search the module number on google, and you will find the datasheet for the laser diodes, then you can find the dvd laser

Diodes Incorporated

Diodes Incorporated is a leading global manufacturer and supplier of high-quality application specific standard products.

Light-emitting diode

Light-emitting diodes (as well as semiconductor lasers) are used to send data over many types of fiber optic cable, from digital audio over TOSLINK cables to the

How To Identify A Diode And Its Specification | Transistor Number Code

The three-digit number indicates the component value or characteristics, while the letter or additional codes represent tolerance, temperature coefficient, or other parameters.

How to Identify Simple Diodes: 7 Steps (with Pictures)

Tips If you cannot see number, it's best to throw it away and get a new one. Most diodes are cheap If your diode does not match anything shown,

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

Laser Diode Specifications & Characteristics Explained

Understand laser diode specifications and characteristics and how they relate to real circuits and applications wit tips on the precautions that need to be considered.

Laser Diode Selection Guide (ALL MANUFACTURERS)

We try to help our community of laser scientists & engineers find the best products for their projects by hosting a free Open-Index product database with lasers from all manufacturers. Manufacturers can

Vintage Computer Federation Forums

The VCF Forums are a part of the Vintage Computer Federation, a 501c3 non-profit educational organization.

diode-identification

European diodes are marked using two or three letters and a number. The first letter is used to identify the material used in manufacturing the component (A - germanium, B - silicon), or, in case of letter Z,

The Power of Industrial Water Chiller for Fiber Laser Cutter

Crunching the exact numbers may seem daunting, so it's important to find a laser water-chiller supplier that offers quality support along with the specs

Laser Diode

Laser Diode: Construction, Working, Types, Advantages, Disadvantages & Applications Laser diode similar to LED is used for producing light but the light is

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We help people discover their Beautiful. Providers - Enhance your practice. Expand your services. And enjoy all the the benefits of partnership. Patients - Ready to

Diode Identification Techniques: A Comprehensive Guide

This article aims to equip engineers and enthusiasts with essential techniques to identify and verify diodes effectively, ensuring optimal performance in diverse circuits

How to Identify Simple Diodes: 7 Steps (with Pictures)

Rotate or read the number off the surface of the diode. Go to alldatasheet. Type the number in the search bar. Determine the type from the results and even get the datasheet while

Diode Identification

Because there are so many different types of diodes, some system of identification is needed to distinguish one diode from another. This is accomplished with the semiconductor identification

SMD Diode Code: Lookup, Marking & Identification

This guide explains how to decode SMD diode codes, identify polarity, test components using a multimeter, and choose safe replacements, making it easier

Laser Diode Tutorial

Laser Diode Tutorial The purpose of this laser diode tutorial is to provide the information necessary to create a long lifetime, stable laser diode system. Much of what will be discussed will be in general

Products

MACOM serves customers with a broad product portfolio that incorporates RF, Microwave, Analog and Mixed Signal and Optical semiconductor technologies.

Laser Diode Search Engine

Request Laser Diodes quickly Here you will quickly and easily locate a laser diode to meet your specifications. Enter the desired parameters and you will immediately receive an overview of

Laser Diodes: Definition, Types, and Applications

Key learnings: Laser Diode Definition: A laser diode is a semiconductor device that generates coherent light by stimulating electrons to

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

Transistor & Diode Numbering Codes » Electronics Notes

These semiconductor devices numbers are unique to the manufacturer and as a result they can be used to identify the source. Some common examples are given below:

Laser Diode Tutorial

The information contained within this tutorial will give all the general information necessary to create an excellent laser diode system. For specific questions about laser diodes, mounts, and drivers please

What Laser Do YOU Have? Identifying Diode Lasers

In this episode, we show you how to identify your diode laser module the right way. Whether you're new to diode lasers or just curious about what's inside your machine, we've got you...

Diode Identification

This serves two purposes: (1) it identifies the cathode end of the diode, and (2) it also serves to identify the diode by number. Semiconductor diode markings. The

Contact Us

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