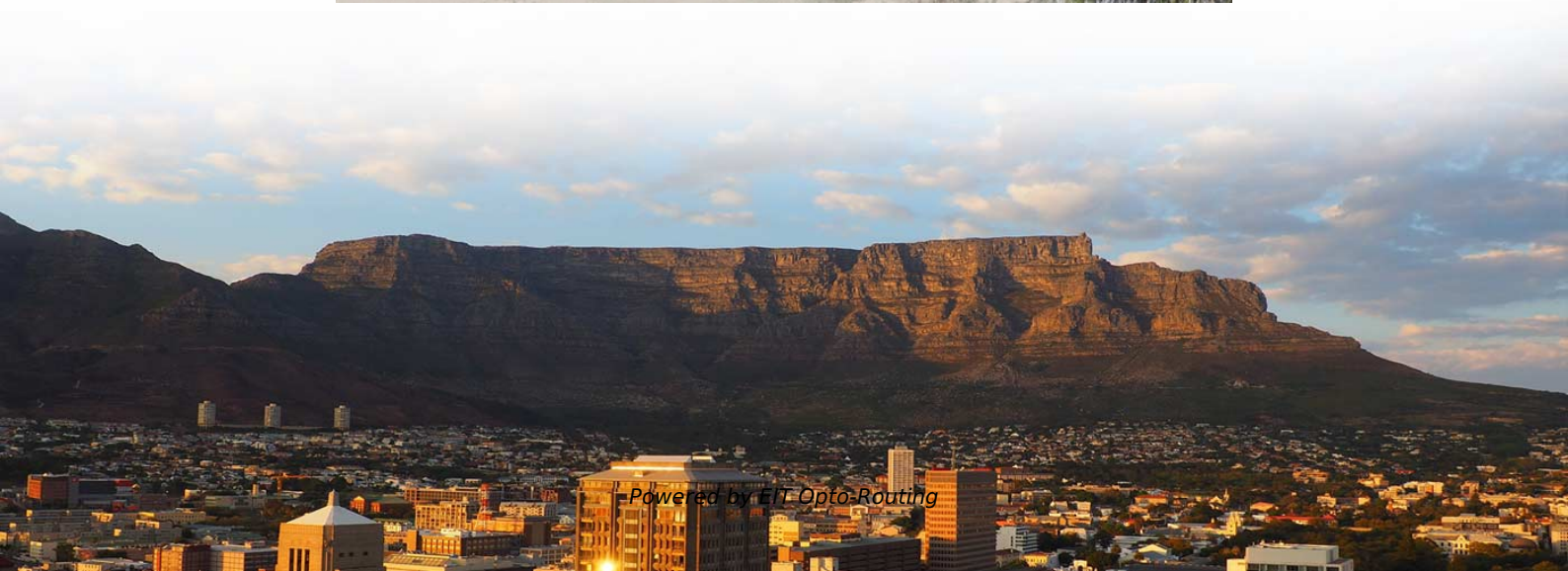


# **Power of the red laser diode in the CD burner**





## Power of the red laser diode in the CD burner

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## Best CD burner to buy for strongest red laser

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CD burning diodes are infrared, DVD burning diodes are red, blu-ray burning diodes are blue/violet. The DVD burners will have both a red and an IR diode (for CD burning), so you should

## Powerful Burning Laser : 5 Steps (with Pictures)

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Hello today im going to show you how to make a powerful burning laser from DVD-RW, before we begin I must caution that its very powerful thing and can seriously



## Loneoceans Laboratories

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The project initially was to harvest the laser diode from any DVD drive and to power it to make laser light! But after some reading up, it was apparent that DVD writers,

## **A high power laser come from a DVD burner, actually works!**

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Re: A high power laser come from a DVD burner? It only takes around 30-35 mw to burn a disc. The difference with DVD burners is the wavelength, not the power. A CD burner uses a 780nm

## **DVD-RW (Liteon) teardown stuff details (motors,laser diodes IR & red)**

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One is infrared (CD burner) and one red (DVD burner). Both diodes have about the same order of magnitude performance and thermal effects (maybe the infra burn a little



more).

## Laser Diode: The Ultimate Beginner's Guide

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This is the ultimate beginner's guide to the laser diode. Learn how lasers work and how you can use them in your own projects with this guide.

## CD Player Laser Diode Current Voltage and Power

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The difference is optical power (as measured with a Laser Power Meter) that is radiated as light, vs. electrical power that heats up the diode junction. So the efficiency is low, just like that of a LED.



## How powerful is a CD burner laser?

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How powerful is a CD burner laser? Lasers in these drives tend to have a pulse output of about 100 - 250mW and continuous power 50 - 125mW and work in the infrared range at a

## Powerful Burning Laser : 5 Steps (with Pictures)

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First thing first. We need to take off a laser diode from dvd driver, open it, find moving part with lenses, usually there is you'll see 2 diodes IR for CD and just red for

## What type of laser used in CD and DVD players\*?

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One is infrared (CD burner) and one red (DVD burner). Both diodes have about the same order of magnitude performance and thermal effects (maybe the infra burn a little more).



## **CD/DVD Player/burner**

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In total there are 27 carriage, most with two diodes (The IR and the Red, I think), others just one. How do I know which diode is from what? It has some detail on the circuit to help out? Or

## **How to Make a Powerful Burning Laser for CHEAP!**

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How to Make a Powerful Burning Laser for CHEAP!: After watching many videos on of people burning things with high power lasers, I wanted one.Those

## **What laser diode is in a DVD burner? - MSI**

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DVD players use a red laser of about 650 nm wavelength (the same colour as red laser pointers). This is shorter than the IR laser that was used in CD audio and CD-ROM drives, but longer than the 405 nm

## **CD Player Diode question , Laser Pointer Forums**

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New guy here, Just a few questions Okay, well, I took the diode out of an old CD player, what should I do first? How should I first approach it? Any tutorials I could use? And how strong is

## **Laser diodes from CD-RW drives can cut and burn!**

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Lasers in these drives tend to have a pulse output of about 100 - 250mW and continuous power 50 - 125mW and work in the infrared range at a wavelength of 780nm. Average operating current is about



## **What is the power level? , Laser Pointer Forums**

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The Bluray reading-laser in a BLuray player is actually outputting how many mW? And in a writer device, what is the output power? And how do these power levels compare to the red reading

## **How to make a powerful burning laser from DVD-rw**

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Bare& Basic CD and DVD Burning Laser Diodes How to use all their types Crazy Keychain Laser Pointer Upgrades. 5mW to 3000mW+ Testing Illegal Blue Lasers from eBay (and making them even stronger)

## **DVD Formats and How to Drive Laser Diodes to Record and**

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The drivers consist of three input channels, a read channel with RF oscillator and two precision current amplifier outputs to drive the CD and DVD laser diodes for erasing and writing. The oscillating

## **Bare& Basic CD and DVD Burning Laser Diodes How to use all**

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This is the second Bare& Basic, a complete guide on how to use nearly any kind of CD or DVD burning Laser Diode. Learn how find and used any type or form factor in your project. Get a good view of

## **How to Make a Cutting Laser From a CD ROM**

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Making a cutting laser using the CD laser diode can be done using a plastic flashlight, a CD ROM disk drive and a few parts acquired from a laser supply store. A limited knowledge of how to use a



## CD/DVD Player/burner

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You should look for a part number or name and start trying to find out what you have. 16x red diodes are nice and powerful so if you end up with that, nice find.

## Dissection of a Blu-ray Reader Assembly: The Laser Diode

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The laser diode can actually contains three laser diodes emitting at 780, 660, and 405 nm (for CD, DVD, and Blu-ray, respectively). These are connected in a CCC

## Current and Voltage need to Drive DVD Laser Diodes

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Could this be a laser diode that can emit both wavelengths? I also have a 2005 laptop



DVD/CD burner that has class 3B diodes. Any advice or information on what voltage and current

## Powerful laser diodes from DVD-RW drive

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I soldered two cables to the unit for both diodes and made current-stabilising power supply that allows you to switch the operation of infrared LEDs, red LEDs, or both

## power

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5 I am making the "Pocket Laser Engraver" on instructables, but I need to find a replacement for the DVD drive's laser diode. (Already broke both of mine) Online I might want to get the 12x20mm 5mW



## Testing Laser Diodes in CD Players , PDF , Diode , Laser

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The document provides instructions for testing the optical pickup of MP3/CD/DVD players to identify front-end problems. It describes how to check the functioning of

## DVD Laser Diode Datasheet: Key Specifications and

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By understanding these specifications, you can determine whether the laser diode is suitable for your intended application. The datasheet may provide information on

### Contact Us

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For datasheets, pricing, or custom optical networking solutions, please visit:  
<https://www.entrenamientointeligente.es>