DVD laser diode voltage



Overview

By understanding these specifications, you can determine whether the laser diode is suitable for your intended application.

Article Content

DVD Laser Diode Datasheet: Key Specifications and Performance ...

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

Current and Voltage need to Drive DVD Laser Diodes

I''ve extracted several laser diodes from DVD burners. I have no idea how much voltage or current I should run through these diodes with a proper heatsink...

Voltage used by a Laser Diode

To determine the voltage requirements for a specific laser diode, it is best to inspect the laser diode datasheet and make adjustments for operating

LMH6525/LMH6526 Four–Channel Laser Diode Driver with Dual Output

The used supply voltage is 4.5V so there is a supply voltage loss of 0.2V over the supply line resistance, but nevertheless the part can drive laser diodes with a forward voltage up to 3.5V with currents over

AD9665 Datasheet and Product Info | Analog Devices

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

The level of the output current is set by an external resistor, which converts this voltage into a current at the WxSET pin. An on-chip oscillator is provided to allow

RLD2WMNL2_Low Output 2-Wavelength Laser Diode for DVD/CD

An optically transparent real index guide is utilized to minimize loss due to light absorption, allowing operation with minimal current. The proprietary structure ensures stable operation up to 85°C,

DVD Laser Diode Voltage: Key Specs Explained

How To Choose DVD Laser Diode Voltage? Selecting the appropriate DVD laser diode involves careful consideration of several technical and operational factors beyond just the nominal

Dual-Output, Multimode CD-RW/DVD Laser-Diode Drivers

The MAX9483/MAX9484 support multiple CD and DVD read/write standards, such as CD-R/RW, DVD-R, DVD+R, DVD-RW, DVD+RW, and DVD-RAM by choosing the writing control signals and input

dvd burner laser, what voltage? | Laser Pointer Forums

So if you want to power your laser with 4.5 volts, you plug those numbers into the formula: 4.5 (battery voltage) - 2.5 (Voltage drop of laser diode) / .200 (200ma, good current for a

3-Channel Laser Diode Driver with Oscillator

In most cases, a voltage output DAC is used to set the dc current of these channels. A series resistor should be placed between each DAC''s output and its respective input channel.

Sciencing DVD-RW Laser Diodes

If you''ve played around with laser diodes that you''ve scavenged from old equipment, you know that it can be a hit-or-miss proposition. (And if you

How to determine the operating voltage and current of a

I have harvested several laser diodes out of old 16X to 22X DVD writers. I used a driver circuit based on LM 317 but I was not able to reach the lasing current of

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

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 ...

Laser Diode: The Ultimate Beginner''s Guide

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved

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.

41J Blog » Blog Archive » Playing with DVD RW Laser

I''ve always wanted to extract laser diodes from DVD RW and Blu ray drives and play around with them. After killing a few lasers I finally got one

Dual-Output, Multimode CD-RW/DVD Laser-Diode Drivers

The MAX9483/MAX9484 high-performance, multimode, laser-diode drivers (LDDs) are designed for CD and DVD combination pickup heads. The drivers consist of three input channels, an RF oscillator,

DVD red laser diodes max current | Candle Power Forums

Has anyone determined what the safe maximum current is for a typical (?) red LD removed from a DVD writer? I''m running 200mA, pretty bright, burns things. That site that started it

MAX9483 Datasheet and Product Info | Analog Devices

The MAX9483/MAX9484 high-performance, multimode, laser-diode drivers (LDDs) are designed for CD and DVD combination pickup heads. The

Related Video Reference

This video was associated with the source search result. Verify technical details against current product documentation and project requirements.

Contact Us

Continue your research online:

Website: https://kenhardtprimary.co.za
Technical inquiry: https://kenhardtprimary.co.za/project-desk.html
African project coordination: Century City, Cape Town, Western Cape, South Africa

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

© 2026 KENHARDT OPTICAL NETWORKS - All rights reserved